

L Number	Hits	Search Text	DB	Time stamp
1	2	6383758.pn.	USPAT; US-PGPUB; DERWENT	2004/06/22 12:07
2	2	6020123.pn.	USPAT; US-PGPUB; DERWENT	2004/06/22 12:08
3	2	6020143.pn.	USPAT; US-PGPUB; DERWENT	2004/06/22 12:23
4	349	armadillo	USPAT; US-PGPUB; DERWENT	2004/06/22 12:23
5	49	armadillo ADJ protein	USPAT; US-PGPUB; DERWENT	2004/06/22 12:23
6	21	translocation and (armadillo ADJ protein)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:24
7	86	translocation and armadillo	USPAT; US-PGPUB; DERWENT	2004/06/22 12:24
8	32	(nuclear ADJ translocation) and armadillo	USPAT; US-PGPUB; DERWENT	2004/06/22 12:25
9	14	(nuclear ADJ translocation) and (armadillo ADJ protein)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:25
10	32	((nuclear ADJ translocation) and armadillo) or ((nuclear ADJ translocation) and (armadillo ADJ protein))	USPAT; US-PGPUB; DERWENT	2004/06/22 12:29
11	0	(St. ADJ George ADJ Hyslop).in.	USPAT; US-PGPUB; DERWENT	2004/06/22 12:30
12	25	(ST ADJ George ADJ Hyslop).in.	USPAT; US-PGPUB; DERWENT	2004/06/22 12:34
13	5	armadillo and ((ST ADJ George ADJ Hyslop).in.)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:32
14	1336	catenin	USPAT; US-PGPUB; DERWENT	2004/06/22 12:34
15	505	catenin and translocation	USPAT; US-PGPUB; DERWENT	2004/06/22 12:34
16	81	catenin and (nuclear ADJ translocation)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:38
17	18	(catenin and (nuclear ADJ translocation)) and presenilin	USPAT; US-PGPUB; DERWENT	2004/06/22 12:36
18	3	NPRAP and (nuclear ADJ translocation)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:38
19	13	p0071 and (nuclear ADJ translocation)	USPAT; US-PGPUB; DERWENT	2004/06/22 12:39

10/071900

File 5:Biosis Previews(R) 1969-2004/Jun W2

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Set	Items	Description
Set	Items	Description
S1	76	ARMADILLO() PROTEIN
S2	5607	CATENIN
S3	13	NPRAP
S4	24	P0071
S5	2489	PRESENILIN
S6	47	S1 AND S2
S7	7	S5 AND S1
S8	99	S5 AND S2
S9	5	S5 AND S3
S10	4	S5 AND S4

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7/7/1

DIALOG(R) File 5:Biosis Previews(R)

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0014778249 BIOSIS NO.: 200400144910

Biochemical characterization of the Drosophila Wingless signaling pathway based on RNA interference.

AUTHOR: Matsubayashi Hiroko; Sese Sonoka; Lee Jong-Seo; Shirakawa Tadaoki; Iwatsubo Takeshi; Tomita Taisuke; Yanagawa Shin-Ichi (Reprint)

AUTHOR ADDRESS: Department of Viral Oncology, Institute for Virus Research, Kyoto University, Shyo-goin-Kawahara-Cho, Sakyo-Ku, Kyoto, 606-8507, Japan\*\*Japan

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JOURNAL: Molecular and Cellular Biology 24 (5): p2012-2024 March 2004 2004

MEDIUM: print

ISSN: 0270-7306 (ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Regulation of Armadillo (Arm) protein levels through ubiquitin-mediated degradation plays a central role in the Wingless (Wg) signaling. Although zeste-white3 (Zw3)-mediated Arm phosphorylation has been implicated in its degradation, we have recently shown that casein kinase Ialpha (CKIalpha) also phosphorylates Arm and induces its degradation. However, it remains unclear how CKIalpha and Zw3, as well as other components of the Arm degradation complex, regulate Arm phosphorylation in response to Wg. In particular, whether Wg signaling suppresses CKIalpha- or Zw3-mediated Arm phosphorylation in vivo is unknown. To clarify these issues, we performed a series of RNA interference (RNAi)-based analyses in Drosophila S2R+ cells by using antibodies that specifically recognize Arm phosphorylated at different serine residues. These analyses revealed that Arm phosphorylation at serine-56 and at threonine-52, serine-48, and serine-44, is mediated by CKIalpha and Zw3, respectively, and that Zw3-directed Arm phosphorylation requires CKIalpha-mediated priming phosphorylation. Daxin stimulates Zw3- but not CKIalpha-mediated Arm phosphorylation. Wg suppresses Zw3- but not CKIalpha-mediated Arm phosphorylation, indicating that a vital regulatory

step in Wg signaling is Zw3-mediated Arm phosphorylation. In addition, further RNAi-based analyses of the other aspects of the Wg pathway clarified that Wg-induced Dishevelled phosphorylation is due to CKI $\alpha$  and that  $\gamma$ -presenilin and protein kinase A play little part in the regulation of Arm protein levels in Drosophila tissue culture cells.

7/7/2

DIALOG(R)File 5:Biosis Previews(R)

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0014368567 BIOSIS NO.: 200300326863

THE NEURONAL  $\gamma$ -ARMADILLO  $\gamma$ -PROTEIN  $\gamma$  DELTA CATENIN IS CRITICAL FOR SPATIAL LEARNING.

AUTHOR: Israely I (Reprint); Costa R M; Silva A J; Kosik K; Liu X (Reprint)

AUTHOR ADDRESS: Molec. and Med.Pharmacology, UCLA, Los Angeles, CA, USA\*\*  
USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner  
2002 pAbstract No. 779.15 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102

SPONSOR: Society for Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Understanding how the precise pattern of neural circuitry is specified at the molecular level is one of the fundamental issues underlying how the brain works. Adhesion molecules, such as cadherins and catenins, are good candidates for regulating synaptic specificity. Delta Catenin (d-cat) is a neuron specific adherens junction molecule that interacts with both E-cadherin and -catenin. Also, d-cat interacts with  $\gamma$ -Presenilin 1, the protein most often mutated in Familial Alzheimer's Disease (F-AD). To determine the role of d-cat in synaptic efficacy and brain function, we generated mice with a targeted deletion of d-catenin. D-cat $^{-/-}$  mice are viable, although their survival is lower than that of WT littermates. To determine the role of this neuronal adherens junction molecule in the establishment and connectivity of synapses, we are comparing the architecture of neurons from d-cat $^{-/-}$  and WT. To understand the role of d-cat in activity dependent synaptic changes, we are characterizing the hippocampal synaptic physiology of mutant mice. To address d-cat function in cognitive processes, such as learning and memory, we have evaluated spatial learning, place recognition, social recognition, pavlovian fear conditioning and motor coordination in d-cat $^{-/-}$  mice. The results of these studies indicate that d-catenin is essential for spatial learning, and that the lack of this molecule severely compromises normal brain function. The results of these studies may have implications for mental retardation syndromes and neurodegenerative disorders such as AD.

7/7/3

DIALOG(R)File 5:Biosis Previews(R)

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0013741061 BIOSIS NO.: 200200334572

Alzheimer's related proteins and methods of use  
AUTHOR: St George-Hyslop Peter H (Reprint); Fraser Paul E  
AUTHOR ADDRESS: Toronto, Canada\*\*Canada  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1258 (1): May 7, 2002 2002  
MEDIUM: e-file  
ISSN: 0098-1133  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: Disclosed is a method for identifying substances that alter the interaction of a ~~presenilin~~ protein with a ~~presenilin~~-binding protein, including contacting at least the interacting domain of a ~~presenilin~~ protein to a ~~presenilin~~-binding protein in the presence of a test substance, and measuring the interaction of the ~~presenilin~~ protein and the ~~presenilin~~-binding protein. Also disclosed is method for identifying substances that modulate the nuclear translocation of an ~~armadillo~~ ~~protein~~, including providing a culture of cells that express the ~~armadillo~~ ~~protein~~ and a mutant ~~presenilin~~ protein, or a functional fragment thereof that binds an ~~armadillo~~ ~~protein~~; contacting the culture with a test substance; inducing nuclear translocation of the ~~armadillo~~ ~~protein~~ in the cells; and measuring levels of nuclear ~~armadillo~~ ~~protein~~ as compared to a control as an indication of modulatory activity of the test substance. Further disclosed is method for screening individuals for ~~presenilin~~ alleles associated with Alzheimer's Disease or related disorders, including obtaining cells from an individual to be tested for Alzheimer's Disease or a related disorder; inducing nuclear translocation of an ~~armadillo~~ ~~protein~~ in the cells; and measuring levels of the nuclear ~~armadillo~~ ~~protein~~ as compared to a control as an indication of the presence or absence of ~~presenilin~~ alleles associated with Alzheimer's Disease or a related disorder.

7/7/4

DIALOG(R) File 5:Biosis Previews(R)  
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0012929746 BIOSIS NO.: 200100101585

An analysis of the formation and maturation of the ~~presenilin~~ complexes

AUTHOR: Yu G (Reprint); Holmes E; Yang D S; Chen F; Nishimura M; Tandon A; Fraser P; St George-Hyslop P

AUTHOR ADDRESS: Univ Toronto, Toronto, ON, Canada\*\*Canada

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-492.8  
2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: ~~Presenilin~~ (PS1 and PS2) holoproteins are transiently incorporated into low molecular weight (M.W.) complexes. During subsequent incorporation into a higher M.W. complex, they undergo endoproteolysis to generate stable N- and C-terminal fragments (NTF/CTF). Mutation of either of two conserved aspartate residues in transmembrane domains inhibits both ~~presenilin~~-endoproteolysis and the proteolytic processing of betaAPP and Notch. We show that while PS1/PS2 endoproteolysis is not required for biological function, inclusion into the higher M.W. complex is. We show that aspartate-mutant presenilins are not incorporated into the high M.W. functional complexes, and displace endogenous PS1/PS2 from these complexes but do not affect incorporation of mutant or wild type holoproteins into lower M.W. complexes. These data suggest that the loss-of-function affects of aspartate-mutants are due to altered PS complex maturation, and argue that the functional ~~presenilin~~ moiety is contained in the high molecular weight complexes. Our analysis of the ~~presenilin~~ complex maturation also suggests that additional components, besides the ~~armadillo~~ ~~protein~~ homologues and ~~presenilin~~ itself, must exist in the complex. Current efforts are under way to identify such additional proteins that might be crucial for understanding the function of presenilins in signal transduction and Alzheimer's Disease.

7/7/5

DIALOG(R) File 5: Biosis Previews(R)  
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0011963688 BIOSIS NO.: 199900223348

Isolation of human delta-catenin and its binding specificity with  
~~presenilin~~ 1

AUTHOR: Tanahashi Hiroshi (Reprint); Tabira Takeshi

AUTHOR ADDRESS: Division of Demyelinating Disease and Aging, National  
Institute of Neuroscience, 4-1-1 Ogawahigashi, Kodaira, Tokyo, 187-8502,  
Japan\*\*Japan

JOURNAL: Neuroreport 10 (3): p563-568 Feb. 25, 1999 1999

MEDIUM: print

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: We screened proteins for interaction with ~~presenilin~~ (PS) 1, and cloned the full-length cDNA of human delta-catenin, which encoded 1225 amino acids. Yeast two-hybrid assay, GST binding assay and immunoprecipitation demonstrated that delta-catenin interacted with a hydrophilic loop region in the endoproteolytic C-terminal fragment of PS1, but not with that of PS-2. These results suggest that PS1 and PS2 partly differ in function. PS1 loop fragment containing the pathogenic mutation retained the binding ability. We also found another ~~armadillo~~-~~protein~~, p0071, interacted with PS1.

7/7/6

DIALOG(R) File 5: Biosis Previews(R)  
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0011952048 BIOSIS NO.: 199900211708

Direct interaction of Alzheimer's disease-related ~~\*\*\*presenilin\*\*\*~~ 1 with  
~~\*\*\*armadillo\*\*\*~~ ~~\*\*\*protein\*\*\*~~ p0071

AUTHOR: Stahl Bernd (Reprint); Diehlmann Anke; Sudhof Thomas C

AUTHOR ADDRESS: Max Planck Institute for Experimental Medicine,

Hermann-Rein-Str. 3, 37075, Goettingen, Germany\*\*Germany

JOURNAL: Journal of Biological Chemistry 274 (14): p9141-9148 April 2,  
1999 1999

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Alzheimer's disease-related presenilins are thought to be involved in Notch signaling during embryonic development and/or cellular differentiation. Proteins mediating the cellular functions of the presenilins are still unknown. We utilized the yeast two-hybrid system to identify an interacting ~~\*\*\*armadillo\*\*\*~~ ~~\*\*\*protein\*\*\*~~, termed p0071, that binds specifically to the hydrophilic loop of ~~\*\*\*presenilin\*\*\*~~ 1. In vivo, the presenilins constitutively undergo proteolytic processing, forming two stable fragments. Here, we show that the C-terminal fragment of ~~\*\*\*presenilin\*\*\*~~ 1 directly binds to p0071. Nine out of 10 armadillo repeats in p0071 are essential for mediating this interaction. Since armadillo proteins, like beta-catenin and APC, are known to participate in cellular signaling, p0071 may function as a mediator of ~~\*\*\*presenilin\*\*\*~~ 1 in signaling events.

7/7/7

DIALOG(R)File 5:Biosis Previews(R)

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0011921048 BIOSIS NO.: 199900180708

Presenilins interact with armadillo proteins including neural-specific plakophilin-related protein and beta-catenin

AUTHOR: Levesque G; Yu G; Nishimura M; Zhang D M; Levesque L; Yu H; Xu D;  
Liang Y; Rogaeva E; Ikeda M; Duthie M; Murgolo N; Wang L; VanderVere P;  
Bayne M L; Strader C D; Rommens J M; Fraser P E; St George-Hyslop P  
(Reprint)

AUTHOR ADDRESS: Centre for Research in Neurodegenerative Diseases,  
University of Toronto, 6 Queen's Park Circle West, Tanz Neuroscience  
Building, Toronto, ON, M5S 1A8, Canada\*\*Canada

JOURNAL: Journal of Neurochemistry 72 (3): p999-1008 March, 1999 1999

MEDIUM: print

ISSN: 0022-3042

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Missense substitutions in the ~~\*\*\*presenilin\*\*\*~~ 1 (PS1) and  
~~\*\*\*presenilin\*\*\*~~ 2 (PS2) proteins are associated with early-onset  
familial Alzheimer's disease. We have used yeast-two-hybrid and  
coimmunoprecipitation methods to show that the large cytoplasmic loop  
domains of PS1 and PS2 interact specifically with three members of the  
~~\*\*\*armadillo\*\*\*~~ ~~\*\*\*protein\*\*\*~~ family, including beta-catenin, p0071, and  
a novel neuronal-specific ~~\*\*\*armadillo\*\*\*~~ ~~\*\*\*protein\*\*\*~~-neural  
plakophilin-related ~~\*\*\*armadillo\*\*\*~~ ~~\*\*\*protein\*\*\*~~ (NPRAP). The PS1:NPRAP

interaction occurs between the arm repeats of NPRAP and residues 372-399 at the C-terminal end of the large cytoplasmic loop of PS1. The latter residues contain a single arm-like domain and are highly conserved in the presenilins, suggesting that they form a functional \*\*\*armadillo\*\*\* protein binding site for the presenilins.

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Set Items Description  
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8/3/1

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014839567 BIOSIS NO.: 200400207200

Loss of delta - \*\*\*catenin\*\*\* changes synaptic composition and impairs plasticity and learning.

AUTHOR: Israely I (Reprint); Costa R M; Silva A J; Kosik K S; Liu X (Reprint)

AUTHOR ADDRESS: Dept. Mol. and Med. Pharmacol, Univ. California Los Angeles, Duke Univ., Durham, NC, USA\*\*USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner  
2003 pAbstract No. 964.20 2003 2003

MEDIUM: e-file

CONFERENCE/MEETING: 33rd Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 08-12, 2003; 20031108

SPONSOR: Society of Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/2

DIALOG(R)File 5:Biosis Previews(R)  
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0014836785 BIOSIS NO.: 200400204418

\*\*\*Presenilin\*\*\* - 1, Notch - 1 and beta - \*\*\*catenin\*\*\*, but not amyloid precursor protein, coordinately and transiently increase their expression at 12 hours following passive avoidance conditioning in the adult wistar rat.

AUTHOR: Conboy L (Reprint); Regan C M (Reprint)

AUTHOR ADDRESS: Dept. Pharmacol., Conway Inst., Univ. Col. Dublin, Dublin 4, Ireland\*\*Ireland

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner  
2003 pAbstract No. 729.9 2003 2003

MEDIUM: e-file

CONFERENCE/MEETING: 33rd Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 08-12, 2003; 20031108

SPONSOR: Society of Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/3

DIALOG(R)File 5:Biosis Previews(R)

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0014833968 BIOSIS NO.: 200400201601

Direct modulation of gamma - secretase activity by MINT - 1 and MINT - 2.

AUTHOR: Chen A C (Reprint); LaVoie M J (Reprint); Ostaszewski B L (Reprint)  
; Selkoe D J (Reprint)

AUTHOR ADDRESS: Ctr. for Neurologic Dis., Brigham and Women's Hosp. and  
Harvard Med. Sch., Boston, MA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2003 pAbstract No. 549.9 2003 2003

MEDIUM: e-file

CONFERENCE/MEETING: 33rd Annual Meeting of the Society of Neuroscience New  
Orleans, LA, USA November 08-12, 2003; 20031108

SPONSOR: Society of Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/4

DIALOG(R)File 5:Biosis Previews(R)

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0014832314 BIOSIS NO.: 200400199947

The role of cyclooxygenase (COX)-2 in N141I mutant \*\*\*presenilin\*\*\*-2  
mediated apoptosis via wingless int (Wnt)-1 signal transduction pathway.

AUTHOR: Qin W (Reprint); Lovati E (Reprint); Peng Y (Reprint);  
Ksiezak-Reding H (Reprint); Zhao Z (Reprint); Ho L (Reprint); Pasinetti G  
M (Reprint)

AUTHOR ADDRESS: Dept. Psychiatry, Mount Sinai Sch. Med, New York, NY, USA\*\*  
USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2003 pAbstract No. 445.13 2003 2003

MEDIUM: e-file

CONFERENCE/MEETING: 33rd Annual Meeting of the Society of Neuroscience New  
Orleans, LA, USA November 08-12, 2003; 20031108

SPONSOR: Society of Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/5

DIALOG(R)File 5:Biosis Previews(R)

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0014832311 BIOSIS NO.: 200400199944

GSK-3alpha regulates production of Alzheimer's disease amyloid-beta  
peptides.

AUTHOR: Phiel C J (Reprint); Wilson C A; Lee V M Y; Klein P S (Reprint)

AUTHOR ADDRESS: Dept. of Med. (Hematology-Oncology), Univ. of Pennsylvania  
Sch. of Med., Philadelphia, PA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2003 pAbstract No. 445.10 2003 2003

MEDIUM: e-file

CONFERENCE/MEETING: 33rd Annual Meeting of the Society of Neuroscience New  
Orleans, LA, USA November 08-12, 2003; 20031108



SPONSOR: Society of Neuroscience  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/6

DIALOG(R)File 5:Biosis Previews(R)  
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0014785388 BIOSIS NO.: 200400152049  
Phosphorylation of \*\*\*presenilin\*\*\* 1 at the caspase recognition site  
regulates its proteolytic processing and the progression of apoptosis.  
AUTHOR: Fluhner Regina; Friedlein Arno; Haass Christian; Walter Jochen  
(Reprint)  
AUTHOR ADDRESS: Department of Neurology, University of Bonn,  
Sigmund-Freud-Strasse 25, 53127, Bonn, Germany\*\*Germany  
AUTHOR E-MAIL ADDRESS: Jochen.Walter@ukb.uni-bonn.de  
JOURNAL: Journal of Biological Chemistry 279 (3): p1585-1593 January 16,  
2004 2004  
MEDIUM: print  
ISSN: 0021-9258  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/7

DIALOG(R)File 5:Biosis Previews(R)  
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0014696902 BIOSIS NO.: 200400067659  
Akt/GSK3beta serine/threonine kinases: Evidence for a signalling pathway  
mediated by familial Alzheimer's disease mutations.  
AUTHOR: Ryder John; Su Yuan; Ni Binhui (Reprint)  
AUTHOR ADDRESS: Lilly Research Laboratories, Eli Lilly and Company, Lilly  
Corporate Center, Indianapolis, IN, 46285, USA\*\*USA  
AUTHOR E-MAIL ADDRESS: binhuinil@yahoo.com  
JOURNAL: Cellular Signalling 16 (2): p187-200 February 2004 2004  
MEDIUM: print  
ISSN: 0898-6568 (ISSN print)  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/8

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014652544 BIOSIS NO.: 200400023301  
Fine mapping of the alpha-T \*\*\*catenin\*\*\* gene to a quantitative trait  
locus on chromosome 10 in late-onset Alzheimer's disease pedigrees.  
AUTHOR: Ertekin-Taner Nilufer; Ronald James; Asahara Hideaki; Younkin Linda  
; Hella Maria; Jain Shushant; Gnida Eugene; Younkin Samuel; Fadale Daniel  
; Ohyagi Yasumasa; Singleton Adam; Scanlin Leah; de Andrade Mariza;  
Petersen Ronald; Graff-Radford Neill; Hutton Michael; Younkin Steven

(Reprint)

AUTHOR ADDRESS: Mayo Clinic Jacksonville, 4500 San Pablo Road, Birdsall 2,  
Jacksonville, FL, 32224, USA\*\*USA

AUTHOR E-MAIL ADDRESS: younkin.steven@mayo.edu

JOURNAL: Human Molecular Genetics 12 (23): p3133-3143 1 December, 2003  
2003

MEDIUM: print

ISSN: 0964-6906 \_(ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/9

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0014565892 BIOSIS NO.: 200300534611

Fine mapping of the alpha-T \*\*\*catenin\*\*\* gene to a quantitative trait  
locus on chromosome 10 in late-onset Alzheimer's disease pedigrees.

AUTHOR: Carrasquillo M (Reprint); Ertekin-Taner N (Reprint); Ronald J;  
Asahara H (Reprint); Younkin L; Hella M (Reprint); Jain S (Reprint);  
Gnidal E (Reprint); Younkin S (Reprint); Fadale D (Reprint); Ohyagi Y;  
Singleton A (Reprint); Scanlin L (Reprint); deAndrade M; Petersen R;  
Graff-Radford N; Hutton M (Reprint); Younkin S G (Reprint)

AUTHOR ADDRESS: Department of Neuroscience, Mayo Clinic, Jacksonville, FL,  
USA\*\*USA

JOURNAL: American Journal of Human Genetics 73 (5): p509 November 2003  
2003

MEDIUM: print

CONFERENCE/MEETING: 53rd Annual Meeting of the American Society of Human  
Genetics Los Angeles, CA, USA November 04-08, 2003; 20031104

SPONSOR: American Society of Human Genetics

ISSN: 0002-9297

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

8/3/10

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0014471613 BIOSIS NO.: 200300426457

\*\*\*Presenilin\*\*\* 1 mediates retinoic acid-induced differentiation of  
SH-SY5Y cells through facilitation of Wnt signaling.

AUTHOR: Uemura Kengo; Kitagawa Naoyuki; Kohno Ryuichi; Kuzuya Akira;  
Kageyama Takashi; Shibasaki Hiroshi; Shimohama Shun (Reprint)

AUTHOR ADDRESS: Department of Neurology, Graduate School of Medicine, Kyoto  
University, 54 Shogoin-Kawaharacho, Sakyo-ku, Kyoto, 606-8507, Japan\*\*  
Japan

AUTHOR E-MAIL ADDRESS: i53367@sakura.kudpc.kyoto-u.ac.jp

JOURNAL: Journal of Neuroscience Research 73 (2): p166-175 July 15, 2003  
2003

MEDIUM: print

ISSN: 0360-4012 \_(ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract  
LANGUAGE: English

8/3/11

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014368567 BIOSIS NO.: 200300326863  
THE NEURONAL ARMADILLO PROTEIN DELTA \*\*\*CATENIN\*\*\* IS CRITICAL FOR SPATIAL  
LEARNING.  
AUTHOR: Israely I (Reprint); Costa R M; Silva A J; Kosik K; Liu X (Reprint)  
AUTHOR ADDRESS: Molec. and Med.Pharmacology, UCLA, Los Angeles, CA, USA\*\*  
USA  
JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner  
2002 pAbstract No. 779.15 2002 2002  
MEDIUM: cd-rom  
CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102  
SPONSOR: Society for Neuroscience  
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/12

DIALOG(R)File 5:Biosis Previews(R)  
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0014356492 BIOSIS NO.: 200300315211  
NEUROGENESIS AND \*\*\*PRESENILIN\*\*\* 1.  
AUTHOR: Chevallier N (Reprint); Soriano S (Reprint); Hu G (Reprint); Zheng  
H; Koo E (Reprint)  
AUTHOR ADDRESS: Dept. Neuroscience, UCSD, San Diego, CA, USA\*\*USA  
JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner  
2002 pAbstract No. 593.2 2002 2002  
MEDIUM: cd-rom  
CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102  
SPONSOR: Society for Neuroscience  
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/13

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014356489 BIOSIS NO.: 200300315208  
LOSS OF FUNCTION OF \*\*\*PRESENILIN\*\*\* CAUSES ABERRANT N - CADHERIN  
PROCESSING AND INHIBITS DIFFERENTIATION OF SH - SY5Y CELLS.  
AUTHOR: Uemura K (Reprint); Kitagawa N (Reprint); Kuzuya A (Reprint); Kouno  
R (Reprint); Shimohama S (Reprint); Shibasaki H (Reprint)  
AUTHOR ADDRESS: Neurology, Graduate school of medicine, Kyoto University,  
Kyoto, Japan\*\*Japan  
JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2002 pAbstract No. 593.1 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102

SPONSOR: Society for Neuroscience

DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/14

DIALOG(R)File 5:Biosis Previews(R)

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0014346352 BIOSIS NO.: 200300303841

PS1 PROMOTES CADHERIN MEDIATED TRANSMISSION OF GROWTH REGULATORY AND  
SURVIVAL SIGNALS.

AUTHOR: Baki L (Reprint); Shioi J (Reprint); Wen P (Reprint); Schwarzman A;  
Robakis N (Reprint)

AUTHOR ADDRESS: Psychiatry, Mt Sinai School of Med., New York, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2002 pAbstract No. 419.2 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102

SPONSOR: Society for Neuroscience

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

8/3/15

DIALOG(R)File 5:Biosis Previews(R)

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0014345530 BIOSIS NO.: 200300303019

GSK-3alpha regulates production of Alzheimer's disease amyloid-beta  
peptides.

AUTHOR: Phiel Christopher J; Wilson Christina A; Lee Virginia M-Y; Klein  
Peter S (Reprint)

AUTHOR ADDRESS: Department of Medicine, Division of Hematology-Oncology and  
Howard Hughes Medical Institute, University of Pennsylvania School of  
Medicine, 415 Curie Blvd, Philadelphia, PA, 19104-6148, USA\*\*USA

AUTHOR E-MAIL ADDRESS: pklein@mail.med.upenn.edu

JOURNAL: Nature (London) 423 (6938): p435-439 22 May, 2003 2003

MEDIUM: print

ISSN: 0028-0836 (ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/16

DIALOG(R)File 5:Biosis Previews(R)

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0014336026 BIOSIS NO.: 200300293845

SUBUNIT COMPOSITION OF gamma - SECRETASE, AND EFFECT OF MUTANT

\*\*\*PRESENILIN\*\*\* - 1.

AUTHOR: Velji J (Reprint); Siman R (Reprint)

AUTHOR ADDRESS: Dept Pharmacology, Univ Pennsylvania Sch Med, Philadelphia,  
PA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2002 pAbstract No. 327.10 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience  
Orlando, Florida, USA November 02-07, 2002; 20021102

SPONSOR: Society for Neuroscience

DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/17

DIALOG(R)File 5:Biosis Previews(R)

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0014303421 BIOSIS NO.: 200300262065

delta-\*\*\*Catenin\*\*\*, \*\*\*presenilin\*\*\*, and the synaptic-adherens junction  
complex.

BOOK TITLE: Notch from neurodevelopment to neurodegeneration: Keeping the  
fate

AUTHOR: Kosik K S (Reprint); Medina M (Reprint); Ochiishi T (Reprint);  
Martinez M C (Reprint); Lu Q (Reprint)

BOOK AUTHOR/EDITOR: Israel A (Editor); DeStrooper B (Editor); Checler F  
(Editor); Christen Y (Editor)

AUTHOR ADDRESS: Department of Neurology, Brigham and Women's Hospital and  
Harvard Medical School, 77 Avenue Louis Pasteur, Boston, MA, 02115, USA\*\*  
USA

SERIES TITLE: Research and Perspectives in Alzheimer's Disease p131-141  
2002

MEDIUM: print

BOOK PUBLISHER: Springer-Verlag GmbH and Co. KG, Heidelberger Platz 3,  
D-14197, Berlin, Germany

CONFERENCE/MEETING: XVIII Medicine and Research Colloquium. Paris, France  
March 19, 200120010319

SPONSOR: Fondation Ipsen

ISSN: 0945-6066 (ISSN print) ISBN: 3-540-43073-3 (cloth)

DOCUMENT TYPE: Book Chapter; Meeting; Meeting Paper

RECORD TYPE: Citation

LANGUAGE: English

8/3/18

DIALOG(R)File 5:Biosis Previews(R)

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0014303420 BIOSIS NO.: 200300262064

PS1 interacts with and facilitates beta-\*\*\*catenin\*\*\* turnover.

BOOK TITLE: Notch from neurodevelopment to neurodegeneration: Keeping the  
fate

AUTHOR: Koo E H (Reprint); Soriano S (Reprint); Kang D E (Reprint)

BOOK AUTHOR/EDITOR: Israel A (Editor); DeStrooper B (Editor); Checler F  
(Editor); Christen Y (Editor)

AUTHOR ADDRESS: Department of Neurosciences, University of California, San  
Diego, La Jolla, CA, 92037, USA\*\*USA  
SERIES TITLE: Research and Perspectives in Alzheimer's Disease p119-129  
2002  
MEDIUM: print  
BOOK PUBLISHER: Springer-Verlag GmbH and Co. KG, Heidelberger Platz 3,  
D-14197, Berlin, Germany  
CONFERENCE/MEETING: XVIII Medicine and Research Colloquium. Paris, France  
March 19, 200120010319  
SPONSOR: Fondation Ipsen  
ISSN: 0945-6066 \_(ISSN print) ISBN: 3-540-43073-3 (cloth)  
DOCUMENT TYPE: Book Chapter; Meeting; Meeting Paper  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/19

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014178430 BIOSIS NO.: 200300137149  
Differential display analysis of presenilin 1-deficient mouse brains.  
AUTHOR: Liauw Jennifer; Nguyen Van; Huang Jean; St George-Hyslop Peter;  
Rozmahel Richard (Reprint)  
AUTHOR ADDRESS: Center for Research in Neurodegenerative Diseases,  
University of Toronto, Toronto, ON, M5S 1A8, Canada\*\*Canada  
AUTHOR E-MAIL ADDRESS: richard.rozmahel@utoronto.ca  
JOURNAL: Molecular Brain Research 109 (1-2): p56-62 30 December, 2002 2002  
MEDIUM: print  
ISSN: 0169-328X \_(ISSN print)  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/20

DIALOG(R)File 5:Biosis Previews(R)  
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0014125219 BIOSIS NO.: 200300083938  
Nectin-1alpha, an immunoglobulin-like receptor involved in the formation of  
synapses, is a substrate for presenilin/gamma-secretase-like  
cleavage.  
AUTHOR: Kim Doo Yeon; Ingano Laura A MacKenzie; Kovacs Dora M (Reprint)  
AUTHOR ADDRESS: Neurobiology of Disease Laboratory, Genetics and Aging  
Research Unit, Massachusetts General Hospital, Harvard Medical School,  
114 16th St., Charlestown, MA, 02129, USA\*\*USA  
AUTHOR E-MAIL ADDRESS: kovacs@helix.mgh.harvard.edu  
JOURNAL: Journal of Biological Chemistry 277 (51): p49976-49981 December  
20, 2002 2002  
MEDIUM: print  
ISSN: 0021-9258  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/21

DIALOG(R)File 5:Biosis Previews(R)  
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0014114036 BIOSIS NO.: 200300072755

gamma-Secretase activity is not involved in \*\*\*presenilin\*\*\*-mediated regulation of beta-\*\*\*catenin\*\*\*.

AUTHOR: Meredith Jere E (Reprint); Wang Qian; Mitchell Thomas J; Olson Richard E; Zaczek Robert; Stern Andrew M; Seiffert Dietmar

AUTHOR ADDRESS: Experimental Station, Bristol-Myers Squibb Company, Pharmaceutical Research Institute, Route 141 and Henry Clay Rd., Wilmington, DE, 19880, USA\*\*USA

AUTHOR E-MAIL ADDRESS: jere.meredith@bms.com

JOURNAL: Biochemical and Biophysical Research Communications 299 (5): p 744-750 December 20, 2002 2002

MEDIUM: print

ISSN: 0006-291X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/22

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014038977 BIOSIS NO.: 200200632488

Impaired cell cycle control of neuronal precursor cells in the neocortical primordium of \*\*\*presenilin\*\*\*-1-deficient mice

AUTHOR: Yuasa Shigeki; Nakajima Mitsunari; Aizawa Hidenori; Sahara Naruhiko; Koizumi Ken-ichi; Sakai Tsuyoshi; Usami Mihoko; Kobayashi Shin-ichiro; Kuroyanagi Hidehito; Mori Hiroshi; Koseki Haruhiko; Shirasawa Takuji (Reprint)

AUTHOR ADDRESS: Department of Molecular Genetics, Tokyo Metropolitan Institute of Gerontology, 35-2 Sakaecho, Itabashi-ku, Tokyo, 173-0015, Japan, Japan\*\*Japan

JOURNAL: Journal of Neuroscience Research 70 (3): p501-513 November 1 2002 2002 2002

MEDIUM: print

ISSN: 0360-4012

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/23

DIALOG(R)File 5:Biosis Previews(R)  
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0013958848 BIOSIS NO.: 200200552359

\*\*\*Presenilin\*\*\* couples the paired phosphorylation of beta-\*\*\*catenin\*\*\* independent of Axin: Implications for beta-\*\*\*catenin\*\*\* activation in tumorigenesis

AUTHOR: Kang David E; Soriano Salvador; Xia Xuefeng; Eberhart Charles G; De Strooper Bart; Zheng Hui; Koo Edward H (Reprint)

AUTHOR ADDRESS: Department of Neurosciences, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA, 92093, USA\*\*USA

JOURNAL: Cell 110 (6): p751-762 September 30, 2002 2002  
MEDIUM: print  
ISSN: 0092-8674  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/24

DIALOG(R)File 5: Biosis Previews(R)  
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0013894213 BIOSIS NO.: 200200487724  
\*\*\*Presenilin\*\*\* complex form and function  
AUTHOR: Fraser P E (Reprint); Yu G (Reprint); Chen F (Reprint); Arawaka S  
(Reprint); Hasegawa H (Reprint); St George-Hyslop P (Reprint)  
AUTHOR ADDRESS: University of Toronto, Toronto, ON, Canada\*\*Canada  
JOURNAL: Journal of Neurochemistry 81 (Supplement 1): p84 June, 2002 2002  
MEDIUM: print  
CONFERENCE/MEETING: Thirty-Third Annual Meeting of the American Society for  
Neurochemistry Palm Beach, Florida, USA June 22-26, 2002; 20020622  
ISSN: 0022-3042  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/25

DIALOG(R)File 5: Biosis Previews(R)  
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0013844406 BIOSIS NO.: 200200437917  
\*\*\*Presenilin\*\*\* 1 overexpressions in Chinese hamster ovary (CHO) cells  
decreases the phosphorylation of retinoblastoma protein: Relevance for  
neurodegeneration  
AUTHOR: Prat Maria I; Adamo Ana M; Gonzalez Silvia A; Affranchino Jose L;  
Ikeda Masaki; Matsubara Etsuro; Shoji Mikio; Smith Mark A; Castano  
Eduardo M; Morelli Laura (Reprint)  
AUTHOR ADDRESS: Catedra de Quimica Biologica Patologica, Departamento de  
Quimica Biologica, Facultad de Farmacia y Bioquimica, Instituto de  
Quimica y Fisicoquimica Biologicas (IQIFIB), Universidad de Buenos  
Aires-CONICET, Junin 956, 1113, Buenos Aires, Argentina\*\*Argentina  
JOURNAL: Neuroscience Letters 326 (1): p9-12 June 21, 2002 2002  
MEDIUM: print  
ISSN: 0304-3940  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/26

DIALOG(R)File 5: Biosis Previews(R)  
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0013831755 BIOSIS NO.: 200200425266  
The aspartate-257 of \*\*\*presenilin\*\*\* 1 is indispensable for mouse  
development and production of beta-amyloid peptides through beta-



\*\*\*catenin\*\*\*-independent mechanisms

AUTHOR: Xia Xuefeng; Wang Pei; Sun Xiaoyan; Soriano Salvador; Shum Wan-Kyng  
; Yamaguchi Haruyasu; Trumbauer Myrna E; Takashima Akihiko; Koo Edward H;  
Zheng Hui (Reprint)

AUTHOR ADDRESS: Huffington Center on Aging, Baylor College of Medicine, One  
Baylor Plaza, M320, Houston, TX, 77030, USA\*\*USA

JOURNAL: Proceedings of the National Academy of Sciences of the United  
States of America 99 (13): p8760-8765 June 25, 2002 2002

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/27

DIALOG(R)File 5:Biosis Previews(R)

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0013713017 BIOSIS NO.: 200200306528

A \*\*\*presenilin\*\*\*-1/gamma-secretase cleavage releases the E-cadherin  
intracellular domain and regulates disassembly of adherens junctions

AUTHOR: Marambaud Philippe; Shioi Junichi; Serban Geo; Georgakopoulos  
Anastasios; Sarnier Shula; Nagy Vanja; Baki Lia; Wen Paul; Efthimiopoulos  
Spiros; Shao Zhiping; Wisniewski Thomas; Robakis Nikolaos K (Reprint)

AUTHOR ADDRESS: Department of Psychiatry and Fishberg Research Center for  
Neurobiology, Mount Sinai School of Medicine, New York University, New  
York, NY, 10029, USA\*\*USA

JOURNAL: EMBO (European Molecular Biology Organization) Journal 21 (8): p  
1948-1956 April 15, 2002 2002

MEDIUM: print

ISSN: 0261-4189

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/28

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013643248 BIOSIS NO.: 200200236759

Activity-dependent isolation of the \*\*\*presenilin\*\*\*-gamma-secretase  
complex reveals nicastrin and a gamma substrate

AUTHOR: Esler William P; Kimberly W Taylor; Ostaszewski Beth L; Ye Wenjuan;  
Diehl Thekla S; Selkoe Dennis J (Reprint); Wolfe Michael S (Reprint)

AUTHOR ADDRESS: Center for Neurologic Diseases, Brigham and Women's  
Hospital, Harvard Medical School, 77 Avenue Louis Pasteur, Boston, MA,  
02115, USA\*\*USA

JOURNAL: Proceedings of the National Academy of Sciences of the United  
States of America 99 (5): p2720-2725 March 5, 2002 2002

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/29

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013621360 BIOSIS NO.: 200200214871

Densin-180 interacts with delta-~~catenin~~/neural plakophilin-related  
armadillo repeat protein at synapses

AUTHOR: Izawa Ichiro; Nishizawa Miwako; Ohtakara Kazuhiro; Inagaki Masaki  
(Reprint)

AUTHOR ADDRESS: Division of Biochemistry, Aichi Cancer Center Research  
Institute, 1-1 Kanokoden, Chikusaku, Nagoya, Aichi, 464-8681, Japan\*\*  
Japan

JOURNAL: Journal of Biological Chemistry 277 (7): p5345-5350 February 15,  
2002 2002

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/30

DIALOG(R)File 5:Biosis Previews(R)  
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0013569018 BIOSIS NO.: 200200162529

Increased tau phosphorylation but absence of formation of neurofibrillary  
tangles in mice double transgenic for human tau and Alzheimer mutant  
(M146L) ~~presenilin~~-1

AUTHOR: Boutajangout A; Leroy K; Touchet N; Authelet M; Blanchard V; Tremp  
G; Pradier L; Brion J P (Reprint)

AUTHOR ADDRESS: Laboratory of Histology and Neuropathology, School of  
Medecine, Universite Libre de Bruxelles, 808 Route de Lennik, Building  
C-10, 1070, Brussels, Belgium\*\*Belgium

JOURNAL: Neuroscience Letters 318 (1): p29-33 January 18, 2002 2002

MEDIUM: print

ISSN: 0304-3940

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/31

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013564180 BIOSIS NO.: 200200157691

gamma-secretase activity is not involved in ~~presenilin~~-1-mediated  
regulation of beta-~~catenin~~ function

AUTHOR: Meredith Jere E (Reprint); Wang Qian (Reprint); Mitchell Thomas J  
(Reprint); Thompson Lorin A; Olson Richard E; Rominger Cindy M (Reprint);  
Rominger David H (Reprint); Bradley Jodi (Reprint); Roach Arthur; Zacek  
Rob; Stern Andy (Reprint); Seiffert Dietmar (Reprint)

AUTHOR ADDRESS: Chemical Enzymology, Dupont Pharmaceuticals, Experimental  
Station, Wilmington, DE, 19880, USA\*\*USA

JOURNAL: Molecular Biology of the Cell 12 (Supplement): p283a-284a Nov,

2001 2001

MEDIUM: print

CONFERENCE/MEETING: 41st Annual Meeting of the American Society for Cell Biology Washington DC, USA December 08-12, 2001; 20011208

SPONSOR: American Society for Cell Biology

ISSN: 1059-1524

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

8/3/32

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013557253 BIOSIS NO.: 200200150764

\*\*\*Presenilin\*\*\* 1 regulates beta-\*\*\*catenin\*\*\*-mediated transcription in a glycogen synthase kinase-3-independent fashion

AUTHOR: Palacino James J; Murphy M Paul; Murayama Ohoshi; Iwasaki Katsunori ; Fujiwara Michichiro; Takashima Akihiko; Golde Todd E; Wolozin Benjamin (Reprint)

AUTHOR ADDRESS: Dept. of Pharmacology, Molecular Pharmacology Laboratory, Loyola University Medical Ctr., 2160 S. First St., Bldg. 102, Rm. 3634, Maywood, IL, 60153, USA\*\*USA

JOURNAL: Journal of Biological Chemistry 276 (42): p38563-38569 October 19, 2001 2001

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/33

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013556731 BIOSIS NO.: 200200150242

\*\*\*Presenilin\*\*\* 1 independently regulates beta-\*\*\*catenin\*\*\* stability and transcriptional activity

AUTHOR: Killick Richard (Reprint); Pollard Claire C; Asuni Ayodeji A; Mudher Amrit K; Richardson Jill C; Rupniak H Tom; Sheppard Paul W; Varndell Ian M; Brion Jean-Paul; Levey Allan I; Levy Oren A; Vestling Monika; Cowburn Richard; Lovestone Simon; Anderton Brian H

AUTHOR ADDRESS: Department of Neuroscience, Institute of Psychiatry, King's College London, De Crespigny Park, Denmark Hill, London, SE5 8AF, UK\*\*UK

JOURNAL: Journal of Biological Chemistry 276 (51): p48554-48561 December 21, 2001 2001

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/34

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013390393 BIOSIS NO.: 200100562232

The role of COX-2 in the wingless Int-1 (Wnt) signal transduction pathway  
in the brain. Implications in Alzheimer's disease

AUTHOR: Lovati E (Reprint); Valdellon J; Pasinetti G M

AUTHOR ADDRESS: Department of Psychiatry, Mount Sinai School of Medicine,  
New York, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (2): p1727 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience

San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/35

DIALOG(R)File 5:Biosis Previews(R)

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0013385278 BIOSIS NO.: 200100557117

Defining the role of \*\*\*presenilin\*\*\* and beta-\*\*\*catenin\*\*\* interaction in  
vivo

AUTHOR: Wang P (Reprint); Xia X; Smith R G (Reprint); Zheng H

AUTHOR ADDRESS: Molecular and Cellular Biology, Baylor College of Medicine,  
Houston, TX, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (2): p1723 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience

San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/36

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013368819 BIOSIS NO.: 200100540658

Differential effects of \*\*\*Presenilin\*\*\* 1 on the stability of N- and  
E-cadherin/\*\*\*catenin\*\*\* complexes

AUTHOR: Baki L (Reprint); Shioi J (Reprint); Marambaud P (Reprint);

Georgakopoulos A (Reprint); Serban G (Reprint); Efthimiopoulos S

(Reprint); Robakis N K (Reprint)

AUTHOR ADDRESS: Dept. of Psychiatry, Mount Sinai School of Medicine, New  
York, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (1): p1219 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience

San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/37

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013366510 BIOSIS NO.: 200100538349

\*\*\*Presenilin\*\*\* targets phosphorylated beta-\*\*\*catenin\*\*\* for degradation

AUTHOR: Kang D E (Reprint); Soriano S (Reprint); Koo E H (Reprint)

AUTHOR ADDRESS: Department of Neurosciences, UCSD, La Jolla, CA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (1): p1442 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience  
San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/38

DIALOG(R)File 5:Biosis Previews(R)  
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0013353314 BIOSIS NO.: 200100525153

Presenilins and the intramembrane proteolysis of proteins: Facts and  
fiction

AUTHOR: De Strooper Bart (Reprint); Annaert Wim

AUTHOR ADDRESS: Center for Human Genetics, Neuronal Cell Biology

Laboratory, K.U. Leuven and Flanders Interuniversity Institute for  
Biotechnology, Herestraat 49, 3000, Leuven, Belgium\*\*Belgium

JOURNAL: Nature Cell Biology 3 (10): pE221-E225 October, 2001 2001

MEDIUM: print

ISSN: 1465-7392

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/39

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013348043 BIOSIS NO.: 200100519882

Delta (delta) \*\*\*catenin\*\*\* in neuronal adherens junctions: Implications  
for adult brain function

AUTHOR: Israely I (Reprint); Kosik K; Liu X (Reprint)

AUTHOR ADDRESS: Mol. and Med. Pharmacology, UCLA School of Medicine, Los  
Angeles, CA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (1): p947 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience  
San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/40

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013332197 BIOSIS NO.: 200100504036

\*\*\*Presenilin\*\*\*-1 binds to cytoplasmic juxtamembrane region of E-cadherin and regulates stability and function of the cadherin adhesion complex  
AUTHOR: Marambaud P (Reprint); Baki L (Reprint); Efthimiopoulos S (Reprint); Georgakopoulos A (Reprint); Wen P (Reprint); Shioi J (Reprint); Robakis N K (Reprint)

AUTHOR ADDRESS: Psychiatry and Fishberg Research Center for Neurobiology, Mount Sinai School of Medicine, New York, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 27 (1): p629 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001; 20011110

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/41

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013310213 BIOSIS NO.: 200100482052

From Alzheimer's disease to skin tumors: The \*\*\*catenin\*\*\* connection

AUTHOR: Hartmann Dieter (Reprint)

AUTHOR ADDRESS: Neuronal Cell Biology Laboratory, Center for Human Genetics, Flanders Interuniversity Institute for Biotechnology, Catholic University of Leuven, Herestraat 49, Campus Gasthuisberg, B-3000, Leuven, Belgium\*\*Belgium

JOURNAL: Proceedings of the National Academy of Sciences of the United States of America 98 (19): p10522-10523 September 11, 2001 2001

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Citation

LANGUAGE: English

8/3/42

DIALOG(R)File 5:Biosis Previews(R)  
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0013309293 BIOSIS NO.: 200100481132

Loss of \*\*\*presenilin\*\*\* 1 is associated with enhanced beta-\*\*\*catenin\*\*\* signaling and skin tumorigenesis

AUTHOR: Xia Xuefeng; Qian Su; Soriano Salvador; Wu Ying; Fletcher Anthony M; Wang Xiao-Jing; Koo Edward H; Wu Xiangwei; Zheng Hui (Reprint)

AUTHOR ADDRESS: Huffington Center on Aging, Baylor College of Medicine, Houston, TX, 77030, USA\*\*USA

JOURNAL: Proceedings of the National Academy of Sciences of the United

States of America 98 (19): p10863-10868 September 11, 2001 2001  
MEDIUM: print  
ISSN: 0027-8424  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/43

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013212091 BIOSIS NO.: 200100383930  
Alarm related peptides and nucleic acids and diagnosis using them  
AUTHOR: Kosik Kenneth S (Reprint); Zhou Jianhua  
AUTHOR ADDRESS: Belmont, MA, USA\*\*USA  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1248 (2): July 10, 2001 2001  
MEDIUM: e-file  
PATENT NUMBER: US 6258929 PATENT DATE GRANTED: July 10, 2001 20010710  
PATENT CLASSIFICATION: 530-300 PATENT ASSIGNEE: Brigham and Women's  
Hospital PATENT COUNTRY: USA  
ISSN: 0098-1133  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/44

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013163021 BIOSIS NO.: 200100334860  
Inhibitory effect of a presenilin 1 mutation on the Wnt signalling  
pathway by enhancement of beta-catenin phosphorylation  
AUTHOR: Kawamura Yuuki; Kikuchi Akira; Takada Ritsuko; Takada Shinji; Sudoh  
Shinji; Shibamoto Sayumi; Yanagisawa Katsuhiko; Komano Hiroto (Reprint)  
AUTHOR ADDRESS: Department of Dementia Research, National Institute for  
Longevity Sciences, Gengo 36-3, Morioka, Obu, Aichi, 474-8522, Japan\*\*  
Japan  
JOURNAL: European Journal of Biochemistry 268 (10): p3036-3041 May, 2001  
2001  
MEDIUM: print  
ISSN: 0014-2956  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/45

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013147670 BIOSIS NO.: 200100319509  
Amyloid angiopathy and variability in amyloid beta deposition is determined  
by mutation position in presenilin-1-linked Alzheimer's disease  
AUTHOR: Mann David M A (Reprint); Pickering-Brown Stuart M; Takeuchi Ayano;

Iwatsubo Takeshi; Familial Alzheimer's Disease Pathology Study Group  
AUTHOR ADDRESS: Clinical Neuroscience Research Group, Department of  
Medicine, University of Manchester, Oxford Rd., Stopford Building,  
Manchester, M13 9PT, UK\*\*UK  
JOURNAL: American Journal of Pathology 158 (6): p2165-2175 June, 2001 2001  
MEDIUM: print  
ISSN: 0002-9440  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/46  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013099447 BIOSIS NO.: 200100271286  
Substitution of a glycogen synthase kinase-3beta phosphorylation site in  
\*\*\*presenilin\*\*\* 1 separates \*\*\*presenilin\*\*\* function from beta-  
\*\*\*catenin\*\*\* signaling  
AUTHOR: Kirschenbaum Ford; Hsu Shu-Chi; Cordell Barbara (Reprint); McCarthy  
Justin V  
AUTHOR ADDRESS: Scios Inc., 820 W. Maude Ave., Sunnyvale, CA, 94086, USA\*\*  
USA  
JOURNAL: Journal of Biological Chemistry 276 (10): p7366-7375 March 9,  
2001 2001  
MEDIUM: print  
ISSN: 0021-9258  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/47  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013074606 BIOSIS NO.: 200100246445  
The role of presenilins in signal transduction in dictyostelium  
AUTHOR: Kreppel Lisa K (Reprint); Kimmel Alan R (Reprint)  
AUTHOR ADDRESS: NIH, 6 Center Dr., Bethesda, MD, 20892, USA\*\*USA  
JOURNAL: FASEB Journal 15 (4): pA204 March 7, 2001 2001  
MEDIUM: print  
CONFERENCE/MEETING: Annual Meeting of the Federation of American Societies  
for Experimental Biology on Experimental Biology 2001 Orlando, Florida,  
USA March 31-April 04, 2001; 20010331  
ISSN: 0892-6638  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/48  
DIALOG(R)File 5:Biosis Previews(R)  
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0013026081 BIOSIS NO.: 200100197920



\*\*\*Presenilin\*\*\*-1 binds cytoplasmic epithelial cadherin, inhibits  
cadherin/p120 association, and regulates stability and function of the  
cadherin/\*\*\*catenin\*\*\* adhesion complex

AUTHOR: Baki Lia; Marambaud Philippe; Efthimiopoulos Spiros; Georgakopoulos  
Anastasios; Wen Paul; Cui Wen; Shioi Junichi; Koo Eduard; Ozawa Masayuki;  
Friedrich Victor L Jr; Robakis Nikolaos K (Reprint)

AUTHOR ADDRESS: Department of Psychiatry and Fishberg Research Center for  
Neurobiology, Mount Sinai School of Medicine, One Gustave Levy Place, New  
York, NY, 10029, USA\*\*USA

JOURNAL: Proceedings of the National Academy of Sciences of the United  
States of America 98 (5): p2381-2386 February 27, 2001 2001

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/49

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013025762 BIOSIS NO.: 200100197601

\*\*\*Presenilin\*\*\* affects Arm/beta-\*\*\*catenin\*\*\* localization and function  
in Drosophila

AUTHOR: Noll Elizabeth (Reprint); Medina Miguel; Hartley Dean; Zhou Jianhua  
; Perrimon Norbert (Reprint); Kosik Kenneth S

AUTHOR ADDRESS: Department of Neurology, Howard Hughes Medical Institute,  
Harvard Medical School, Boston, MA, 02115, USA\*\*USA

JOURNAL: Developmental Biology 227 (2): p450-464 November, 2000 2000

MEDIUM: print

ISSN: 0012-1606

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/50

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0013008837 BIOSIS NO.: 200100180676

GSK3beta forms a tetrameric complex with endogenous PS1-CTF/NTF and beta-  
\*\*\*catenin\*\*\*: Effects of the D257/D385A and FAD-linked mutations

BOOK TITLE: Annals of the New York Academy of Sciences. The molecular basis  
of dementia

AUTHOR: Tesco G; Tanzi R E (Reprint)

BOOK AUTHOR/EDITOR: Growdon John H; Wurtman Richard J; Corkin Suzanne;  
Nitsch Roger M

AUTHOR ADDRESS: Genetics and Aging Unit, Massachusetts General Hospital,  
149-13th Street, Charlestown, MA, 02129, USA\*\*USA

SERIES TITLE: Annals of the New York Academy of Sciences 920 p227-232 2000

MEDIUM: print

BOOK PUBLISHER: New York Academy of Sciences {a}, 2 East 63rd Street, New  
York, NY, 10021, USA

CONFERENCE/MEETING: Ninth Meeting of the International Study Group on the  
Pharmacology of Memory Disorders Associated with Aging Zurich, Switzerland

February 18-20, 2000, 20000218  
ISSN: 0077-8923 ISBN: 1-57331-283-5 (cloth); 1-57331-284-3 (paper)  
DOCUMENT TYPE: Book; Meeting; Book Chapter; Meeting Paper  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/51  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013008834 BIOSIS NO.: 200100180673  
\*\*\*Presenilin\*\*\*-1: A component of synaptic and endothelial adherens  
junctions  
BOOK TITLE: Annals of the New York Academy of Sciences. The molecular basis  
of dementia  
AUTHOR: Georgakopoulos Anastasios; Marambaud Philippe; Friedrich Victor L  
Jr; Shiol Junichi; Efthimiopoulos Spiros; Robakis Nikolaos K (Reprint)  
BOOK AUTHOR/EDITOR: Growdon John H; Wurtman Richard J; Corkin Suzanne;  
Nitsch Roger M  
AUTHOR ADDRESS: Dept. of Psychiatry and Fishberg Research Center for  
Neurobiology, Mount Sinai School of Medicine, One Gustave Levy Place, New  
York, NY, 10029-6547, USA\*\*USA  
SERIES TITLE: Annals of the New York Academy of Sciences 920 p209-214 2000  
MEDIUM: print  
BOOK PUBLISHER: New York Academy of Sciences {a}, 2 East 63rd Street, New  
York, NY, 10021, USA  
CONFERENCE/MEETING: Ninth Meeting of the International Study Group on the  
Pharmacology of Memory Disorders Associated with Aging Zurich, Switzerland  
February 18-20, 2000; 20000218  
ISSN: 0077-8923 ISBN: 1-57331-283-5 (cloth); 1-57331-284-3 (paper)  
DOCUMENT TYPE: Book; Meeting; Book Chapter; Meeting Paper  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/52  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012974737 BIOSIS NO.: 200100146576  
p35/cdk5 binds and phosphorylates beta-\*\*\*catenin\*\*\* and regulates beta-  
\*\*\*catenin\*\*\*/\*\*presenilin\*\*\*-1 interaction  
AUTHOR: Kesavapany Sashi; Lau Kwok-Fai; McLoughlin Declan M; Brownlees  
Janet; Ackerley Steven; Leigh P Nigel; Shaw Christopher E; Miller  
Christopher C J (Reprint)  
AUTHOR ADDRESS: Department of Neuroscience, Institute of Psychiatry,  
Denmark Hill, London, SE5 8AF, UK\*\*UK  
JOURNAL: European Journal of Neuroscience 13 (2): p241-247 January, 2001  
2001  
MEDIUM: print  
ISSN: 0953-816X  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/53

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012969317 BIOSIS NO.: 200100141156

\*\*\*Presenilin\*\*\* 1 negatively regulates beta-\*\*\*catenin\*\*\*/T Cell  
Factor/Lymphoid Enhancer Factor-1 signaling independently of beta-amyloid  
precursor protein and Notch processing

AUTHOR: Soriano Salvador; Kang David E; Fu Maofu; Pestell Richard;  
Chevallier Nathalie; Zheng Hui; Koo Edward H (Reprint)

AUTHOR ADDRESS: Department of Neurosciences, University of California, San  
Diego, La Jolla, CA, 92093, USA\*\*USA

JOURNAL: Journal of Cell Biology 152 (4): p785-794 February 19, 2001 2001

MEDIUM: print

ISSN: 0021-9525

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/54

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012963713 BIOSIS NO.: 200100135552

The role of Alzheimer's disease-related \*\*\*presenilin\*\*\* 1 in intercellular  
adhesion

AUTHOR: Singh Nandita; Talalayeva Yelena; Tsiper Maria; Romanov Victor;  
Dranovsky Alex; Colflesh Dave; Rudamen Gregory; Vitek Michael P; Shen Jie  
; Yang Xudong; Goldgaber Dmitry; Schwarzman Alexander L (Reprint)

AUTHOR ADDRESS: Department of Psychiatry, HSC, T-10, SUNY at Stony Brook,  
Stony Brook, NY, 11794, USA\*\*USA

JOURNAL: Experimental Cell Research 263 (1): p1-13 February 1, 2001 2001

MEDIUM: print

ISSN: 0014-4827

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/55

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012930102 BIOSIS NO.: 200100101941

Decreased nuclear beta-\*\*\*catenin\*\*\*, tau hyperphosphorylation and  
neurodegeneration in GSK-3beta conditional transgenic mice

AUTHOR: Lucas Jose J; Hernandez Felix; Gomez-Ramos Pilar; Moran Maria A;  
Hen Rene; Avila Jesus (Reprint)

AUTHOR ADDRESS: Centro de Biologia Molecular 'Severo Ochoa', CSIC,  
Universidad Autonoma de Madrid, 28049, Madrid, Spain\*\*Spain

JOURNAL: EMBO (European Molecular Biology Organization) Journal 20 (1-2):  
p27-39 January 15, 2001 2001

MEDIUM: print

ISSN: 0261-4189

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/56

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012929747 BIOSIS NO.: 200100101586

Mutant \*\*\*presenilin\*\*\* 1 inhibits transcriptional activity of beta-  
\*\*\*catenin\*\*\*

AUTHOR: Palacino J J (Reprint); Takashima A; Golde T; Murphy P; Murayama O;  
Wolozin B

AUTHOR ADDRESS: Loyola Univ Med Ctr, Maywood, IL, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-492.10  
2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New  
Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/57

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012925284 BIOSIS NO.: 200100097123

Function and molecular organization of the presenilin1/E-cadherin/  
\*\*\*catenin\*\*\* adherens junction system

AUTHOR: Marambaud P (Reprint); Baki L; Georgakopoulos A; Shioi J;  
Efthimiopoulos S; Ozawa M; Robakis N K

AUTHOR ADDRESS: Mount Sinai School of Medicine, New York, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-298.13  
2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New  
Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/58

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012915884 BIOSIS NO.: 200100087723

Primary cortical neurons deficient in \*\*\*presenilin\*\*\*-1 display autophagic  
accumulations containing a subset of synaptic proteins

AUTHOR: Wilson C A (Reprint); Murphy D D; Lee V M

AUTHOR ADDRESS: University of Pennsylvania, Philadelphia, PA, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-277.9

2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/59

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012915882 BIOSIS NO.: 200100087721

\*\*\*Presenilin\*\*\* 1 cosediments with actin filaments

AUTHOR: Sych M (Reprint); Steiner B; Hartmann H; Mueller W E

AUTHOR ADDRESS: Univ Frankfurt, Frankfurt D, Germany\*\*Germany

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-277.7

2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/60

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012915877 BIOSIS NO.: 200100087716

The role of \*\*\*presenilin\*\*\* 1 in cell-cell adhesion

AUTHOR: Schwarzman A L (Reprint); Singh N; Talalayeva Y I; Vitek M P;

Romanov V; Dranovsky A; Shen J; Yang X; Fochtman L J; Goldgaber D

AUTHOR ADDRESS: SUNY at Stony Brook, Stony Brook, NY, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-277.2

2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

8/3/61

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012898586 BIOSIS NO.: 200100070425

Familial Alzheimer's disease \*\*\*presenilin\*\*\*-1 mutants potentiate cell  
cycle arrest  
AUTHOR: Janicki Susan M; Stabler Stacy M; Monteiro Mervyn J (Reprint)  
AUTHOR ADDRESS: Medical Biotechnology Center and Department of Neurology,  
and Division of Human Genetics, University of Maryland, 725 West Lombard  
Street, Baltimore, MD, 21201, USA\*\*USA  
JOURNAL: Neurobiology of Aging 21 (6): p829-836 November-December, 2000  
2000  
MEDIUM: print  
ISSN: 0197-4580  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/62  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012759479 BIOSIS NO.: 200000477792  
Papin: A novel multiple PSD-95/Dlg-A/ZO-1 protein interacting with neural  
plakophilin-related armadillo repeat protein/delta-\*\*\*catenin\*\*\* and  
p0071  
AUTHOR: Deguchi Maki; Iizuka Toshihiko; Hata Yutaka; Nishimura Wataru;  
Hirao Kazuyo; Yao Ikuko; Kawabe Hiroshi; Takai Yoshimi (Reprint)  
AUTHOR ADDRESS: Dept. of Molecular Biology and Biochemistry, Faculty of  
Medicine, Osaka University Graduate School of Medicine, Suita, Osaka,  
565-0871, Japan\*\*Japan  
JOURNAL: Journal of Biological Chemistry 275 (38): p29875-29880 September  
22, 2000 2000  
MEDIUM: print  
ISSN: 0021-9258  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/63  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012721251 BIOSIS NO.: 200000439564  
Evidence that the beta-\*\*\*catenin\*\*\* nuclear translocation assay allows for  
measuring \*\*\*presenilin\*\*\* 1 dysfunction  
AUTHOR: Van Gassen Geert; De Jonghe Chris; Nishimura Masaki; Yu Gang; Kuhn  
Sofie; St George-Hyslop Peter; Van Broeckhoven Christine (Reprint)  
AUTHOR ADDRESS: Laboratory of Molecular Genetics, Department of  
Biochemistry, University of Antwerp (U.I.A.), Universiteitsplein 1,  
B-2610, Antwerpen, Belgium\*\*Belgium  
JOURNAL: Molecular Medicine (New York) 6 (7): p570-580 July, 2000 2000  
MEDIUM: print  
ISSN: 1076-1551  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/64

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012679402 BIOSIS NO.: 200000397715

\*\*\*Presenilin\*\*\* structure, function and role in Alzheimer disease

AUTHOR: Fraser Paul E (Reprint); Yang Dun-Sheng; Yu Gang; Levesque Lyne;  
Nishimura Masaki; Arawaka Shigeki; Serpell Louise C; Rogaeva Ekaterina;  
St George-Hyslop Peter

AUTHOR ADDRESS: Centre for Research in Neurodegenerative Diseases,  
University of Toronto, 6 Queen's Park Crescent West, Tanz Neuroscience  
Building, Toronto, ON, M5S 3H2, Canada\*\*Canada

JOURNAL: Biochimica et Biophysica Acta 1502 (1): p1-15 26 July, 2000 2000

MEDIUM: print

ISSN: 0006-3002

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

8/3/65

DIALOG(R)File 5:Biosis Previews(R)  
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0012669896 BIOSIS NO.: 200000388209

A screen for mutations that suppress the phenotype of Drosophila armadillo,  
the beta-\*\*\*catenin\*\*\* homolog

AUTHOR: Cox Rachel T; McEwen Donald G; Myster Denise L; Duronio Robert J;  
Loureiro Joseph; Peifer Mark (Reprint)

AUTHOR ADDRESS: Biology, University of North Carolina, Chapel Hill, NC,  
27599-3280, USA\*\*USA

JOURNAL: Genetics 155 (4): p1725-1740 August, 2000 2000

MEDIUM: print

ISSN: 0016-6731

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/66

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012575421 BIOSIS NO.: 200000293734

Cellular localization of presenilin1 in the healthy and glaucomatous rat  
eye

AUTHOR: Schutte M (Reprint); Georgakopoulos A; Wen P; Robakis N K

AUTHOR ADDRESS: Ophthalmology, Mount Sinai School of Medicine of New York  
University, New York, NY, USA\*\*USA

JOURNAL: IOVS 41 (4): pS950 March 15, 2000 2000

MEDIUM: print

CONFERENCE/MEETING: Annual Meeting of the Association in Vision and  
Ophthalmology Fort Lauderdale, Florida, USA April 30-May 05, 2000;  
20000430

SPONSOR: Association for Research in Vision and Ophthalmology

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

8/3/67

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012535183 BIOSIS NO.: 200000253496

The p120 \*\*\*catenin\*\*\* family: Complex roles in adhesion, signaling and cancer

AUTHOR: Anastasiadis Panos Z; Reynolds Albert B (Reprint)

AUTHOR ADDRESS: Department of Cell Biology, Vanderbilt University, 1161  
21st Ave. South, MCN No. C-2310, Nashville, TN, 37232-2175, USA\*\*USA

JOURNAL: Journal of Cell Science 113 (8): p1319-1334 April, 2000 2000

MEDIUM: print

ISSN: 0021-9533

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/68

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012491346 BIOSIS NO.: 200000209659

Constitutive beta-\*\*\*catenin\*\*\*/LEF-1 dependent signaling by deficiency in  
\*\*\*presenilin\*\*\* 1 is reduced by wildtype and mutant \*\*\*presenilin\*\*\* 1

AUTHOR: Kang D E (Reprint); Soriano S (Reprint); Shackelford D (Reprint);  
Koo E H (Reprint)

AUTHOR ADDRESS: Dept. of Neurosciences, Univ. of California, San Diego, La  
Jolla, CA, 92093, USA\*\*USA

JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1602 1999 1999

MEDIUM: print

CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

8/3/69

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012484762 BIOSIS NO.: 200000203075

Expression of the gene for delta-\*\*\*catenin\*\*\*/NPRAP in neurons and glial  
cells

AUTHOR: Kawamura Y (Reprint); Fan O-W (Reprint); Hayashi H (Reprint);  
Michikawa M (Reprint); Yanagisawa K (Reprint); Komano H (Reprint)

AUTHOR ADDRESS: Dept. of Dementia Research, National Institute for  
Longevity Sciences, Obu, Aichi, 474-8522, Japan\*\*Japan

JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1601 1999 1999

MEDIUM: print

CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.



Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/70  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012484760 BIOSIS NO.: 200000203073  
Expression of %%%presenilin%%% 1, a gene linked to familial Alzheimer's  
disease, in yeast  
AUTHOR: Mastrangelo P (Reprint); Karunaratne A (Reprint); Fraser P  
(Reprint); St George-Hyslop P (Reprint); Bergeron C (Reprint); Westaway D  
(Reprint)  
AUTHOR ADDRESS: CRND, University of Toronto, Toronto, Ont, M5S 3H2, USA\*\*  
USA  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1567 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/71  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012483922 BIOSIS NO.: 200000202235  
Presenilin1 forms a 600 kDa molecular complex with components of adheren  
junctions  
AUTHOR: Shioi J (Reprint); Marambaud P (Reprint); Georgakopoulos A  
(Reprint); Efthimiopoulos S (Reprint); Li H-C; Robakis N K (Reprint)  
AUTHOR ADDRESS: Dept. of Psychiatry and Fishberg Res. Ctr. for  
Neurobiology, Mount Sinai Med. Ctr., New York, NY, 10029, USA\*\*USA  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1601 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/72  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012478774 BIOSIS NO.: 200000197087  
delta-\*\*\*Catenin\*\*\* is a nervous system-specific adherens junction protein  
which undergoes dynamic relocalization during development  
AUTHOR: Ho Carole; Zhou Jianhua; Medina Miguel; Goto Tomohide; Jacobson  
Margaretha; Bhide Pradeep G; Kosik Kenneth S (Reprint)  
AUTHOR ADDRESS: Center for Neurologic Diseases, Brigham and Women's  
Hospital, 77 Avenue Louis Pasteur, HIM 750, Boston, MA, 02115, USA\*\*USA  
JOURNAL: Journal of Comparative Neurology 420 (2): p261-276 May 1, 2000  
2000  
MEDIUM: print  
ISSN: 0021-9967  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/73  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012427674 BIOSIS NO.: 200000145987  
Presenilin1 incorporates into the cadherin/\*\*\*catenin\*\*\* adhesion system at  
cell-cell contact sites  
AUTHOR: Georgakopoulos A (Reprint); Friedrich V L Jr; Marambaud P (Reprint)  
; Shioi J (Reprint); Li H-C; Shutte M; Gordon R; Efthimiopoulos S  
(Reprint); Elder G (Reprint); Robakis N K (Reprint)  
AUTHOR ADDRESS: Dept. of Psychiatry and Fishberg Research Center for  
Neurobiology, Mount Sinai School of Medicine, One Gustave L. Levy Place,  
New York, NY, 10029, USA\*\*USA  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1299 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/74  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012427672 BIOSIS NO.: 200000145985  
Presenilin1 forms Ca++-dependent complexes with the E-cadherin/  
\*\*\*catenin\*\*\* cell adhesion system  
AUTHOR: Marambaud P (Reprint); Shioi J (Reprint); Georgakopoulos A  
(Reprint); Efthimiopoulos S (Reprint); Robakis N K (Reprint)  
AUTHOR ADDRESS: Dept of Psychiatry and Fishberg, Center for Neurobiology,  
Mount Sinai School of Medicine, New York, NY, 10029, USA\*\*USA  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1299 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/75

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012418185 BIOSIS NO.: 200000136498  
Reduced expression of ~~%%presenilin%%~~ 1 leads to epithelial  
hyper-proliferation in transgenic mice  
AUTHOR: Zheng H (Reprint); Wu Y (Reprint); Fletcher A; Qian S  
AUTHOR ADDRESS: Huffington Center on Aging, Baylor College of Medicine,  
Houston, TX, 77030, USA\*\*USA  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1045 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.  
Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/76

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012417973 BIOSIS NO.: 200000136286  
Hemizyosity of delta-~~%%catenin%%~~ (CTNND2) is associated with severe  
mental retardation in cri-du-chat syndrome  
AUTHOR: Medina Miguel; Marinescu R Catrinel; Overhauser Joan; Kosik Kenneth  
S (Reprint)  
AUTHOR ADDRESS: Harvard Institutes of Medicine, Brigham and Women's  
Hospital, 77 Avenue Louis Pasteur, HIM-762, Boston, MA, 02115, USA\*\*USA  
JOURNAL: Genomics 63 (2): p157-164 Jan. 15, 2000/2000  
MEDIUM: print  
ISSN: 0888-7543  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/77

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012417308 BIOSIS NO.: 200000135621  
~~%%Presenilin%%~~ modulates the activity of dishevelled 1 in the Wnt pathway  
AUTHOR: Pollard C L (Reprint); Richardson J; Rupniak H T R; Sheppard P W;  
Varndell I M; Lovestone S (Reprint); Anderton B H (Reprint)  
AUTHOR ADDRESS: Department of Neuroscience, Institute of Psychiatry,  
London, SE5 8AF, UK\*\*UK  
JOURNAL: Biochemical Society Transactions 28 (1): pA36 2000 2000  
MEDIUM: print

CONFERENCE/MEETING: The 670th Meeting of the Biochemical Society. Cork,  
Ireland September 07-09, 1999; 19990907  
SPONSOR: Biochemical Society  
ISSN: 0300-5127  
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/78

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012417277 BIOSIS NO.: 200000135590  
\*\*\*Presenilin\*\*\* function: Connections to Alzheimer's disease and signal  
transduction  
AUTHOR: Fraser P E (Reprint); Yu G; Nishimura M; Levesque L; Mount H T J;  
Westaway D; St George-Hyslop P  
AUTHOR ADDRESS: Centre for Research in Neurodegenerative Diseases, Dept. of  
Medical Biophysics, University of Toronto, 6 Queen's Park Crescent West,  
Toronto, ON, M5S 3H2, Canada\*\*Canada  
JOURNAL: Biochemical Society Transactions 28 (1): pA16 2000 2000  
MEDIUM: print  
CONFERENCE/MEETING: The 670th Meeting of the Biochemical Society. Cork,  
Ireland September 07-09, 1999; 19990907  
SPONSOR: Biochemical Society  
ISSN: 0300-5127  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/79

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012373919 BIOSIS NO.: 200000092232  
Presenilins and Alzheimer's disease: Biological functions and pathogenic  
mechanisms  
AUTHOR: Czech Christian (Reprint); Tremp Gunter; Pradier Laurent  
AUTHOR ADDRESS: Research and Development, Rhone-Poulenc Rorer, 94403, Vitry  
sur Seine, France\*\*France  
JOURNAL: Progress in Neurobiology (Oxford) 60 (4): p363-384 March, 2000  
2000  
MEDIUM: print  
ISSN: 0301-0082  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/80

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012365239 BIOSIS NO.: 200000083552  
\*\*\*Presenilin\*\*\*-1 forms complexes with the cadherin/\*\*\*catenin\*\*\*

cell-cell adhesion system and is recruited to intercellular and synaptic contacts

AUTHOR: Georgakopoulos Anastasios; Marambaud Philippe; Efthimiopoulos Spiros; Shioi Junichi; Cui Wen; Li Heng-Chun; Schutte Michael; Gordon Ronald; Holstein Gay R; Martinelli Giorgio; Mehta Pankaj; Friedrich Victor L Jr; Rohakis Nikolaos K (Reprint)  
AUTHOR ADDRESS: Department of Psychiatry and Fishberg Research Center for Neurobiology, Mount Sinai School of Medicine, New York, NY, 10029, USA\*\* USA  
JOURNAL: Molecular Cell 4 (6): p893-902 Dec., 1999 1999  
MEDIUM: print  
ISSN: 1097-2765  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/81

DIALOG(R) File 5: Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012348796 BIOSIS NO.: 200000067109  
Developmental localization of APC, Presenilin 1, GSK-3 beta and beta-catenin in the rat central nervous system  
AUTHOR: Ishii K (Reprint); Akagi T (Reprint); Hashikawa T (Reprint); Honda T; Takashima A  
AUTHOR ADDRESS: Lab. for Neural Architecture, Brain Science Institute, RIKEN, Wako, Saitama, Japan\*\*Japan  
JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p233 1999 1999  
MEDIUM: print  
CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience, Part 1 Miami Beach, Florida, USA October 23-28, 1999; 19991023  
SPONSOR: The Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/82

DIALOG(R) File 5: Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012217057 BIOSIS NO.: 199900476717  
The role of beta-catenin stability in mutant PS1-associated apoptosis  
AUTHOR: Weihl Conrad C; Miller Richard J; Roos Raymond P (Reprint)  
AUTHOR ADDRESS: Department of Neurology, University of Chicago, 5841 S. Ellis Avenue, Chicago, IL, 60637, USA\*\*USA  
JOURNAL: Neuroreport 10 (12): p2527-2532 Aug. 20, 1999 1999  
MEDIUM: print  
ISSN: 0959-4965  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/83

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012132279 BIOSIS NO.: 199900391939

\*\*\*Presenilin\*\*\*-1 deficiency leads to loss of Cajal-Retzius neurons and  
cortical dysplasia similar to human type 2 lissencephaly

AUTHOR: Hartmann Dieter; De Strooper Bart; Saftig Paul (Reprint)

AUTHOR ADDRESS: Zentrum Biochemie und Molekulare Zellbiologie, Institut  
fuer Biochemie II, Heinrich Dueker Weg 12, D-37073, Goettingen, Germany\*\*  
Germany

JOURNAL: Current Biology 9 (14): p719-727 July 15, 1999 1999

MEDIUM: print

ISSN: 0960-9822

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/84

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012058695 BIOSIS NO.: 199900318355

Mutant \*\*\*presenilin\*\*\*-1 induces apoptosis and downregulates Akt/PKB

AUTHOR: Weihl Conrad C; Ghadge Ghanashyam D; Kennedy Scott G; Hay Nissim;  
Miller Richard J; Roos Raymond P (Reprint)

AUTHOR ADDRESS: Department of Neurology MC2030, University of Chicago  
Medical Center, 5841 S. Ellis Avenue, Chicago, IL, 60637, USA\*\*USA

JOURNAL: Journal of Neuroscience 19 (13): p5360-5369 July 1, 1999 1999

MEDIUM: print

ISSN: 0270-6474

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/85

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012058279 BIOSIS NO.: 199900317939

\*\*\*Presenilin\*\*\* 1 facilitates the constitutive turnover of beta-

\*\*\*catenin\*\*\*: Differential activity of Alzheimer's disease-Linked PS1  
mutants in the beta-\*\*\*catenin\*\*\*-signaling pathway

AUTHOR: Kang David E; Soriano Salvador; Frosch Matthew P; Collins Tucker;  
Naruse Satoshi; Sisodia Sangram S; Leibowitz Gil; Levine Fred; Koo Edward  
H (Reprint)

AUTHOR ADDRESS: Department of Neurosciences 0691, University of California,  
San Diego, La Jolla, CA, 92093-0691, USA\*\*USA

JOURNAL: Journal of Neuroscience 19 (11): p4229-4237 June 1, 1999 1999

MEDIUM: print

ISSN: 0270-6474

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/86

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012019881 BIOSIS NO.: 199900279541

Biology of presenilins as causative molecules for Alzheimer disease

AUTHOR: Nishimura Masaki; Yu Gang; St George-Hyslop Peter H (Reprint)

AUTHOR ADDRESS: Centre for Research in Neurodegenerative Diseases,  
Department of Medicine, University of Toronto, 6 Queen's Park Crescent  
West, Tanz Neuroscience Bldg., Toronto, ON, M5S 3H2, Canada\*\*Canada

JOURNAL: Clinical Genetics 55 (4): p219-225 April, 1999 1999

MEDIUM: print

ISSN: 0009-9163

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

8/3/87

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011963688 BIOSIS NO.: 199900223348

Isolation of human delta-\*\*\*catenin\*\*\* and its binding specificity with  
\*\*\*presenilin\*\*\* 1

AUTHOR: Tanahashi Hiroshi (Reprint); Tabira Takeshi

AUTHOR ADDRESS: Division of Demyelinating Disease and Aging, National  
Institute of Neuroscience, 4-1-1 Ogawahigashi, Kodaira, Tokyo, 187-8502,  
Japan\*\*Japan

JOURNAL: Neuroreport 10 (3): p563-568 Feb. 25, 1999 1999

MEDIUM: print

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/88

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011952048 BIOSIS NO.: 199900211708

Direct interaction of Alzheimer's disease-related \*\*\*presenilin\*\*\* 1 with  
armadillo protein p0071

AUTHOR: Stahl Bernd (Reprint); Diehlmann Anke; Sudhof Thomas C

AUTHOR ADDRESS: Max Planck Institute for Experimental Medicine,  
Hermann-Rein-Str. 3, 37075, Goettingen, Germany\*\*Germany

JOURNAL: Journal of Biological Chemistry 274 (14): p9141-9148 April 2,  
1999 1999

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/89

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011921048 BIOSIS NO.: 199900180708

Presenilins interact with armadillo proteins including neural-specific  
plakophilin-related protein and beta-~~catenin~~

AUTHOR: Levesque G; Yu G; Nishimura M; Zhang D M; Levesque L; Yu H; Xu D;  
Liang Y; Rogaeva E; Ikeda M; Duthie M; Murgolo N; Wang L; VanderVere P;  
Bayne M L; Strader C D; Rommens J M; Fraser P E; St George-Hyslop P  
(Reprint)

AUTHOR ADDRESS: Centre for Research in Neurodegenerative Diseases,  
University of Toronto, 6 Queen's Park Circle West, Tanz Neuroscience  
Building, Toronto, ON, M5S 1A8, Canada\*\*Canada

JOURNAL: Journal of Neurochemistry 72 (3): p999-1008 March, 1999 1999

MEDIUM: print

ISSN: 0022-3042

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/90

DIALOG(R)File 5:Biosis Previews(R)

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0011835811 BIOSIS NO.: 199900095471

~~Presenilin~~ mutations associated with Alzheimer disease cause  
defective intracellular trafficking of beta-~~catenin~~, a component of  
the ~~presenilin~~ protein complex

AUTHOR: Nishimura M (Reprint); Yu G (Reprint); Levesque G; Zhang D M; Ruel  
L; Chen F; Milman P; Holmes E; Liang Y; Kawarai T; Jo E; Supala A;  
Rogaeva E; Xu D-M; Janus C; Levesque L; Bi Q; Duthie M; Rozmahel R;  
Mattila K; Lannfelt L; Westaway D; Mount H T J; Woodjett J; Fraser P E;  
St George-Hyslop P (Reprint)

AUTHOR ADDRESS: Cent. Res. Neurodegenerative Dis., Dep. Med., Univ.  
Toronto, 6 Queen's Park Crescent W., Toronto, ON M5S 3H2, Canada\*\*Canada

JOURNAL: Nature Medicine 5 (2): p164-169 Feb., 1999 1999

MEDIUM: print

ISSN: 1078-8956

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/91

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011807406 BIOSIS NO.: 199900067066

Association of ~~presenilin~~ 1 with beta-~~catenin~~

AUTHOR: Takashima A (Reprint); Murayama M (Reprint); Murayama O (Reprint);  
Honda T (Reprint); Palacino James; Wlozozin Benjamin

AUTHOR ADDRESS: Lab. Alzheimer's Dis., RIKEN, BSI, 2-1 Hirosawa, Wako-shi,  
Saitama 350-01, Japan\*\*Japan

JOURNAL: Society for Neuroscience Abstracts 24 (1-2): p758 1998 1998

MEDIUM: print

CONFERENCE/MEETING: 28th Annual Meeting of the Society for Neuroscience,



Part 1 Los Angeles, California, USA November 7-12, 1998; 19981107  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/92  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011804567 BIOSIS NO.: 199900064227  
Molecular interaction between presenilin 1 and beta-catenin in  
normal and apoptotic cells  
AUTHOR: Tesco G; Kim T W; Tanzi R E  
AUTHOR ADDRESS: Genet. Aging Unit, Mass. Gen. Hosp., Charlestown, MA 02129,  
USA\*\*USA  
JOURNAL: Society for Neuroscience Abstracts 24 (1-2): p758 1998 1998  
MEDIUM: print  
CONFERENCE/MEETING: 28th Annual Meeting of the Society for Neuroscience,  
Part 1 Los Angeles, California, USA November 7-12, 1998; 19981107  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster  
RECORD TYPE: Citation  
LANGUAGE: English

8/3/93  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011768209 BIOSIS NO.: 199900027869  
Abrogation of the presenilin 1/beta-catenin interaction and  
preservation of the heterodimeric presenilin 1 complex following  
caspase activation  
AUTHOR: Tesco Giuseppina; Kim Tae-Wan; Diehlmann Anke; Beyreuther Konrad;  
Tanzi Rudolph E (Reprint)  
AUTHOR ADDRESS: Genet. Aging Unit, Dep. Neurol., Massachusetts Gen.  
Hosp.-E., 149 13th St., Charlestown, MA 02129, USA\*\*USA  
JOURNAL: Journal of Biological Chemistry 273 (51): p33909-33914 Dec. 18,  
1998 1998  
MEDIUM: print  
ISSN: 0021-9258  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

8/3/94  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011705618 BIOSIS NO.: 199800499865  
Destabilization of beta-catenin by mutations in presenilin-1  
potentiates neuronal apoptosis

AUTHOR: Zhang Zhuohua; Hartmann Henrike; Do Viet Minh; Abramowski Dorothee;  
Sturchler-Pierrat Christine; Staufienbiel Matthias; Sommer Bernd; Van De  
Wetering Marc; Clevers Hans; Saftig Paul; De Strooper Bart; Yankner Bruce  
A (Reprint)

AUTHOR ADDRESS: Dep. Neurol., Harv. Med. Sch., Child. Hosp., 300 Longwood  
Ave., Boston, MA 02115, USA\*\*USA

JOURNAL: Nature (London) 395 (6703): p698-701 Oct. 15, 1998 1998

MEDIUM: print

ISSN: 0028-0836

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/95

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011634242 BIOSIS NO.: 199800428489

Direct association of ~~presenilin~~-1 with beta-~~catenin~~

AUTHOR: Murayama Miyuki; Tanaka Shoji; Palacino James; Murayama Ohoshi;  
Honda Toshiyuki; Sun Xiaoyan; Yasutake Kaori; Nihonmatsu Naomi; Wolozin  
Benjamin; Takashima Akihiko (Reprint)

AUTHOR ADDRESS: Lab. Alzheimer's Disease, Brain Sci. Inst., RIKEN, 2-1  
Hirosawa, Wako-shi, Saitama 351-0198, Japan\*\*Japan

JOURNAL: FEBS Letters 433 (1-2): p73-77 Aug. 14, 1998 1998

MEDIUM: print

ISSN: 0014-5793

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/96

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011547420 BIOSIS NO.: 199800341667

The ~~presenilin~~ 1 protein is a component of a high molecular weight  
intracellular complex that contains beta-~~catenin~~

AUTHOR: Yu Gang; Chen Fusheng; Levesque Georges; Nishimura Masaki; Zhang  
Dong-Mei; Levesque Lyne; Rogaeva Ekatarina; Xu Donghong; Liang Yan;  
Duthie Monika; St George-Hyslop Peter H (Reprint); Fraser Paul E

AUTHOR ADDRESS: Centre Res. Neurodegenerative Disease, Tanz Neuroscience  
Build., Univ. Toronto, 6 Queen's Park Crescent, Toronto, ON M5S 3H2,  
Canada\*\*Canada

JOURNAL: Journal of Biological Chemistry 273 (26): p16470-16475 June 26,  
1998 1998

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

8/3/97

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011047191 BIOSIS NO.: 199799681251

\*\*\*Presenilin\*\*\* 1 interacts in brain with a novel member of the armadillo family

AUTHOR: Zhou J; Liyanage U; Medina M; Ho C; Simmons A D; Lovett M; Kosik K S

JOURNAL: Journal of Neurochemistry 69 (SUPPL.): pS4 1997 1997

CONFERENCE/MEETING: Joint Sixteenth Biennial Meeting of the International Society for Neurochemistry and Twenty-eighth Annual Meeting of the American Society for Neurochemistry Boston, Massachusetts, USA July 20-26, 1997; 19970720

ISSN: 0022-3042

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

*no assay*

8/3/98

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011010252 BIOSIS NO.: 199799644312

\*\*\*Presenilin\*\*\* 1 interaction in the brain with a novel member of the armadillo family

AUTHOR: Zhou Jianhua; Liyanage Udaya; Medina Miguel; Ho Carole; Simmons Andrew D; Lovett Michael; Kosik Kenneth S (Reprint)

AUTHOR ADDRESS: Dep. Neurol., Brigham and Women's Hosp., 221 Longwood, Boston, MA 02115, USA\*\*USA

JOURNAL: Neuroreport 8 (8): p2085-2090 1997 1997

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

*no assay*

8/3/99

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0010956044 BIOSIS NO.: 199799590104

\*\*\*Presenilin\*\*\* 1 interaction in the brain with a novel member of the Armadillo family

AUTHOR: Zhou Jianhua; Liyanage Udaya; Medina Miguel; Ho Carole; Simmons Andrew D; Lovett Michael; Kosik Kenneth S (Reprint)

AUTHOR ADDRESS: Dep. Neurol., Brigham and Women's Hosp., 221 Longwood St., Boston, MA 02115, USA\*\*USA

JOURNAL: Neuroreport 8 (6): p1489-1494 1997 1997

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

*no assay*

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10/7/1

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012759479 BIOSIS NO.: 200000477792

Papin: A novel multiple PSD-95/Dlg-A/ZO-1 protein interacting with neural  
plakophilin-related armadillo repeat protein/delta-catenin and  
\*\*\*p0071\*\*\*

AUTHOR: Deguchi Maki; Iizuka Toshihiko; Hata Yutaka; Nishimura Wataru;  
Hirao Kazuyo; Yao Ikuko; Kawabe Hiroshi; Takai Yoshimi (Reprint)

AUTHOR ADDRESS: Dept. of Molecular Biology and Biochemistry, Faculty of  
Medicine, Osaka University Graduate School of Medicine, Suita, Osaka,  
565-0871, Japan\*\*Japan

JOURNAL: Journal of Biological Chemistry 275 (38): p29875-29880 September  
22, 2000 2000

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A neural plakophilin-related armadillo repeat protein  
(NPRAP)/delta-catenin interacts with one of Alzheimer disease-related  
gene products, \*\*\*presenilin\*\*\* 1. We have previously reported the  
interaction of NPRAP/delta-catenin with synaptic scaffolding molecule,  
which is involved in the assembly of synaptic components.  
NPRAP/delta-catenin also interacts with E-cadherin and beta-catenin and  
is implicated in the organization of cell-cell junctions. \*\*\*p0071\*\*\*, a  
ubiquitous isoform of NPRAP/delta-catenin, is localized at desmosomes in  
HeLa and A431 cells and at adherens junctions in Madin-Darby bovine  
kidney cells. We have identified here a novel protein interacting with  
NPRAP/delta-catenin and \*\*\*p0071\*\*\* and named this protein  
plakophilin-related armadillo repeat protein-interacting  
PSD-95/Dlg-A/ZO-1 (PDZ) protein (PAPIN). PAPIN has six PDZ domains and  
binds to NPRAP/delta-catenin and \*\*\*p0071\*\*\* via the second PDZ domain.  
PAPIN and \*\*\*p0071\*\*\* are ubiquitously expressed in various tissues and  
are localized at cell-cell junctions in normal rat kidney cells and  
bronchial epithelial cells. PAPIN may be a scaffolding protein connecting  
components of epithelial junctions with \*\*\*p0071\*\*\*.

*NO  
presenilin*

10/7/2

DIALOG(R)File 5:Biosis Previews(R)  
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0011963688 BIOSIS NO.: 199900223348

Isolation of human delta-catenin and its binding specificity with  
\*\*\*presenilin\*\*\* 1

AUTHOR: Tanahashi Hiroshi (Reprint); Tabira Takeshi

AUTHOR ADDRESS: Division of Demyelinating Disease and Aging, National  
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JOURNAL: Neuroreport 10 (3): p563-568 Feb. 25, 1999 1999

MEDIUM: print

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: We screened proteins for interaction with **presenilin** (PS) 1, and cloned the full-length cDNA of human delta-catenin, which encoded 1225 amino acids. Yeast two-hybrid assay, GST binding assay and immunoprecipitation demonstrated that delta-catenin interacted with a hydrophilic loop region in the endoproteolytic C-terminal fragment of PS1, but not with that of PS-2. These results suggest that PS1 and PS2 partly differ in function. PS1 loop fragment containing the pathogenic mutation retained the binding ability. We also found another armadillo-protein, **p0071**, interacted with PS1.

10/7/3

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0011952048 BIOSIS NO.: 199900211708

Direct interaction of Alzheimer's disease-related **presenilin** 1 with armadillo protein **p0071**

AUTHOR: Stahl Bernd (Reprint); Diehlmann Anke; Sudhof Thomas C

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JOURNAL: Journal of Biological Chemistry 274 (14): p9141-9148 April 2, 1999 1999

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Alzheimer's disease-related presenilins are thought to be involved in Notch signaling during embryonic development and/or cellular differentiation. Proteins mediating the cellular functions of the presenilins are still unknown. We utilized the yeast two-hybrid system to identify an interacting armadillo protein, termed **p0071**, that binds specifically to the hydrophilic loop of **presenilin** 1. In vivo, the presenilins constitutively undergo proteolytic processing, forming two stable fragments. Here, we show that the C-terminal fragment of **presenilin** 1 directly binds to **p0071**. Nine out of 10 armadillo repeats in **p0071** are essential for mediating this interaction. Since armadillo proteins, like beta-catenin and APC, are known to participate in cellular signaling, **p0071** may function as a mediator of **presenilin** 1 in signaling events.

10/7/4

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0011921048 BIOSIS NO.: 199900180708

Presenilins interact with armadillo proteins including neural-specific plakophilin-related protein and beta-catenin

AUTHOR: Levesque G; Yu G; Nishimura M; Zhang D M; Levesque L; Yu H; Xu D; Liang Y; Rogaeva E; Ikeda M; Duthie M; Murgolo N; Wang L; VanderVere P; Bayne M L; Strader C D; Rommens J M; Fraser P E; St George-Hyslop P (Reprint)

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JOURNAL: Journal of Neurochemistry 72 (3): p999-1008 March, 1999 1999  
MEDIUM: print  
ISSN: 0022-3042  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: Missense substitutions in the **presenilin** 1 (PS1) and **presenilin** 2 (PS2) proteins are associated with early-onset familial Alzheimer's disease. We have used yeast-two-hybrid and coimmunoprecipitation methods to show that the large cytoplasmic loop domains of PS1 and PS2 interact specifically with three members of the armadillo protein family, including beta-catenin, **p0071**, and a novel neuronal-specific armadillo protein-neural plakophilin-related armadillo protein (NPRAP). The PS1:NPRAP interaction occurs between the arm repeats of NPRAP and residues 372-399 at the C-terminal end of the large cytoplasmic loop of PS1. The latter residues contain a single arm-like domain and are highly conserved in the presenilins, suggesting that they form a functional armadillo protein binding site for the presenilins.

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0014178430 BIOSIS NO.: 200300137149  
Differential display analysis of **presenilin** 1-deficient mouse brains.  
AUTHOR: Liauw Jennifer; Nguyen Van; Huang Jean; St George-Hyslop Peter;  
Rozmahel Richard (Reprint)  
AUTHOR ADDRESS: Center for Research in Neurodegenerative Diseases,  
University of Toronto, Toronto, ON, M5S 1A8, Canada\*\*Canada  
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JOURNAL: Molecular Brain Research 109 (1-2): p56-62 30 December, 2002 2002  
MEDIUM: print  
ISSN: 0169-328X (ISSN print)  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: Missense mutations in **presenilin** 1 (PS1) gene are the most common cause of early onset familial Alzheimer's disease (FAD). AD pathogenic PS1 mutations result in elevated gamma-secretase cleavage of APP and diminished S3-site cleavage of Notch. We have previously described a PS1-hypomorphic mouse line that could survive postnatally with markedly reduced gamma-secretase cleavage of APP and S3-site cleavage of Notch, resulting in a Notch developmental phenotype similar to PS1-null mice. This model was exploited to identify genes whose expression is altered due to the loss of PS1. A global gene expression study by differential display was performed on whole brains of PS1-hypomorphic mice and their wild type siblings. In total, more than 16 000 bands corresponding to cDNAs were compared between the mutant and wild-type brains. This analysis identified 19 cDNAs showing significantly altered expression resulting from PS1 deficiency. Four of the identified

cdNAs corresponded to genes that could be associated with AD or **presenilin** function. Hypoxia inducible factor 1a (Hif1a), **NPRAP** (delta-catenin) and cell division cycle 10 (CDC10) showed significantly reduced expression in the PS1-hypomorphic compared to wild-type brains, whereas expression of nucleoside diphosphate kinase sub-unit A (NDPK-A) was markedly elevated in the respective brains. Clarification of the possible role of these genes in AD and the basis for their differential expression induced by PS1-deficiency may provide insight into the disease, **presenilin** function and consequences of its loss, as well as possible deleterious effects of AD therapeutics aimed at inhibiting PS1.

9/7/2

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0013621360 BIOSIS NO.: 200200214871

Densin-180 interacts with delta-catenin/neural plakophilin-related armadillo repeat protein at synapses

AUTHOR: Izawa Ichiro; Nishizawa Miwako; Ohtakara Kazuhiro; Inagaki Masaki  
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AUTHOR ADDRESS: Division of Biochemistry, Aichi Cancer Center Research Institute, 1-1 Kanokoden, Chikusaku, Nagoya, Aichi, 464-8681, Japan\*\*  
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JOURNAL: Journal of Biological Chemistry 277 (7): p5345-5350 February 15, 2002 2002

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Densin-180, a protein purified from the postsynaptic density fraction of the rat forebrain, is the founding member of a newly described family of proteins termed the LAP (leucine-rich repeats and PSD-95/Dlg-A/ZO-1 (PDZ) domains) family that plays essential roles in establishment of cell polarity. To identify Densin-180-binding proteins, we screened a yeast two-hybrid library using the carboxyl-terminal fragment of Densin-180 containing PDZ domain as bait, and we isolated delta-catenin/neural plakophilin-related armadillo repeat protein (**NPRAP**) as a Densin-180-interacting protein. delta-catenin/**NPRAP**, a member of the armadillo repeat family, is a nervous system-specific adherens junction protein originally discovered as an interactor with **presenilin**-1, a protein involved in Alzheimer's disease. Densin-180 PDZ domain binds the COOH terminus of delta-catenin/**NPRAP** containing the PDZ domain-binding sequence. Endogenous Densin-180 was co-immunoprecipitated with delta-catenin/**NPRAP** and N-cadherin. Although Densin-180 was reported to be a transmembrane protein, Densin-180 was not accessible to surface biotinylation in dissociated hippocampal neurons; hence Densin-180 may be a cytosolic protein. Densin-180 colocalized with delta-catenin/**NPRAP** at synapses in dissociated hippocampal neurons. We propose that Densin-180 is associated in vivo with delta-catenin/**NPRAP** and may be involved in organization of the synaptic cell-cell junction through interaction with the delta-catenin/**NPRAP**-N-cadherin complex.

9/7/3

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0012759479 BIOSIS NO.: 200000477792

Papin: A novel multiple PSD-95/Dlg-A/ZO-1 protein interacting with neural plakophilin-related armadillo repeat protein/delta-catenin and p0071

AUTHOR: Deguchi Maki; Iizuka Toshihiko; Hata Yutaka; Nishimura Wataru;

Hirao Kazuyo; Yao Ikuko; Kawabe Hiroshi; Takai Yoshimi (Reprint)

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JOURNAL: Journal of Biological Chemistry 275 (38): p29875-29880 September 22, 2000 2000

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A neural plakophilin-related armadillo repeat protein (\*\*\*NPRAP\*\*\*)/delta-catenin interacts with one of Alzheimer disease-related gene products, \*\*\*presenilin\*\*\* 1. We have previously reported the interaction of \*\*\*NPRAP\*\*\*/delta-catenin with synaptic scaffolding molecule, which is involved in the assembly of synaptic components. \*\*\*NPRAP\*\*\*/delta-catenin also interacts with E-cadherin and beta-catenin and is implicated in the organization of cell-cell junctions. p0071, a ubiquitous isoform of \*\*\*NPRAP\*\*\*/delta-catenin, is localized at desmosomes in HeLa and A431 cells and at adherens junctions in Madin-Darby bovine kidney cells. We have identified here a novel protein interacting with \*\*\*NPRAP\*\*\*/delta-catenin and p0071 and named this protein plakophilin-related armadillo repeat protein-interacting PSD-95/Dlg-A/ZO-1 (PDZ) protein (PAPIN). PAPIN has six PDZ domains and binds to \*\*\*NPRAP\*\*\*/delta-catenin and p0071 via the second PDZ domain. PAPIN and p0071 are ubiquitously expressed in various tissues and are localized at cell-cell junctions in normal rat kidney cells and bronchial epithelial cells. PAPIN may be a scaffolding protein connecting components of epithelial junctions with p0071.

9/7/4

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0012484762 BIOSIS NO.: 200000203075

Expression of the gene for delta-catenin/\*\*\*NPRAP\*\*\* in neurons and glial cells

AUTHOR: Kawamura Y (Reprint); Fan O-W (Reprint); Hayashi H (Reprint); Michikawa M (Reprint); Yanagisawa K (Reprint); Komano H (Reprint)

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JOURNAL: Society for Neuroscience Abstracts 25 (1-2): p1601 1999 1999

MEDIUM: print

CONFERENCE/MEETING: 29th Annual Meeting of the Society for Neuroscience.

Miami Beach, Florida, USA October 23-28, 1999; 19991023

SPONSOR: Society for Neuroscience



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DOCUMENT TYPE: Meeting; Meeting Abstract  
RECORD TYPE: Citation  
LANGUAGE: English

9/7/5

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(c) 2004 BIOSIS. All rts. reserv.

0011921048 BIOSIS NO.: 199900180708

Presenilins interact with armadillo proteins including neural-specific  
plakophilin-related protein and beta-catenin

AUTHOR: Levesque G; Yu G; Nishimura M; Zhang D M; Levesque L; Yu H; Xu D;  
Liang Y; Rogaeva E; Ikeda M; Duthie M; Murgolo N; Wang L; VanderVere P;  
Bayne M L; Strader C D; Rommens J M; Fraser P E; St George-Hyslop P  
(Reprint)

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JOURNAL: Journal of Neurochemistry 72 (3): p999-1008 March, 1999 1999

MEDIUM: print

ISSN: 0022-3042

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Missense substitutions in the presenilin 1 (PS1) and  
presenilin 2 (PS2) proteins are associated with early-onset  
familial Alzheimer's disease. We have used yeast-two-hybrid and  
coimmunoprecipitation methods to show that the large cytoplasmic loop  
domains of PS1 and PS2 interact specifically with three members of the  
armadillo protein family, including beta-catenin, p0071, and a novel  
neuronal-specific armadillo protein-neural plakophilin-related armadillo  
protein (NPRAP). The PS1:NPRAP interaction occurs between the  
arm repeats of NPRAP and residues 372-399 at the C-terminal end of  
the large cytoplasmic loop of PS1. The latter residues contain a single  
arm-like domain and are highly conserved in the presenilins, suggesting  
that they form a functional armadillo protein binding site for the  
presenilins.

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DIALOG(R)File 5:Biosis Previews(R)  
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0012925196 BIOSIS NO.: 200100097035

Inhibiting amyloid precursor protein C-terminal cleavage promotes an  
interaction with presenilin 1

AUTHOR: Verdile G (Reprint); Martins R N; Duthie M; Holmes E; St George-Hyslop P; Fraser P E

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JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-298.2

2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104  
SPONSOR: Society for Neuroscience  
ISSN: 0190-5295  
DOCUMENT TYPE: Meeting; Meeting Abstract  
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11/3/2

DIALOG(R)File 5:Biosis Previews(R)  
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0010734290 BIOSIS NO.: 199799368350

The Alzheimer's disease-associated presenilins are differentially phosphorylated proteins located predominantly within the endoplasmic reticulum

AUTHOR: Walter Jochen; Capell Anja; Gruenberg Juergen; Pesold Brigitte; Schindzielorz Alice; Prior Reinhard; Podlisny Marcia B; Fraser Paul; \*\*\*St George Hyslop Peter\*\*\*; Selkoe Dennis J; Haass Christian (Reprint  
AUTHOR ADDRESS: Dep. Molecular Biol., Cent. Inst. Mental Health, J 5, 68159 Mannheim, Germany\*\*Germany  
JOURNAL: Molecular Medicine (Cambridge) 2 (6): p673-691 1996 1996  
ISSN: 1076-1551  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

11/3/3

DIALOG(R)File 5:Biosis Previews(R)  
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0010730296 BIOSIS NO.: 199799364356

Mutant presenilins of Alzheimer's disease increase production of 42-residue amyloid beta-protein in both transfected cells and transgenic mice

AUTHOR: Citron Martin (Reprint); Westaway David; Xia Weiming; Carlson George; Diehl Thekla; Levesque Georges; Johnson-Wood Kelly; Lee Michael; Seubert Peter; Davis Angela; Kholodenko Dora; Motter Ruth; Sherrington Robin; Perry Billie; Yao Hong; Lieberburg Robert Vv Stromean; Rommens Johanna; Kim Soyeon; Schenk Dale; Fraser Paul; \*\*\*St George Hyslop\*\*\* Peter\*\*\*; Selkoe Dennis J  
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JOURNAL: Nature Medicine 3 (1): p67-72 1997 1997  
ISSN: 1078-8956  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

11/3/4

DIALOG(R)File 5:Biosis Previews(R)  
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0007011738 BIOSIS NO.: 199039065127

LINKAGE ANALYSIS IN FAMILIAL ALZHEIMER'S DISEASE

AUTHOR: SORBI S (Reprint); MORTILLA M; NACMIAS B; PIACENTINI S; AMADUCCI L;  
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JOURNAL: Neurobiology of Aging 11 (3): p321 1990  
CONFERENCE/MEETING: SECOND INTERNATIONAL CONFERENCE ON ALZHEIMER'S DISEASE  
AND RELATED DISORDERS, TORONTO, ONTARIO, CANADA, JULY 15-20, 1990.  
NEUROBIOL AGING.  
ISSN: 0197-4580  
DOCUMENT TYPE: Meeting  
RECORD TYPE: Citation  
LANGUAGE: ENGLISH

11/3/5  
DIALOG(R) File 5:Biosis Previews(R)  
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0005966087 BIOSIS NO.: 198835063192  
PET AND GENETIC LINKAGE RESULTS IN SUBJECTS AT RISK AR FOR HUNTINGTON'S  
DISEASE HD  
AUTHOR: MAZZIOTTA J C (Reprint); PAHL J J; PHELPS M E; \*\*\*ST GEORGE HYSLOP\*\*\*  
\*\*\* P\*\*\*; GUSELLA J; BAXTER L R; RIEGE W H; HOFFMAN J M; LANTO A B; ET AL  
AUTHOR ADDRESS: UCLA SCH MED, LOS ANGELES, CALIF, USA\*\*USA  
JOURNAL: Journal of Nuclear Medicine 29 (5 SUPPL): p853 1988  
CONFERENCE/MEETING: 35TH ANNUAL MEETING OF THE SOCIETY FOR NUCLEAR  
MEDICINE, SAN FRANCISCO, CALIFORNIA, USA, JUNE 14-17, 1988. J NUCL MED.  
ISSN: 0161-5505  
DOCUMENT TYPE: Meeting  
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LANGUAGE: ENGLISH  
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